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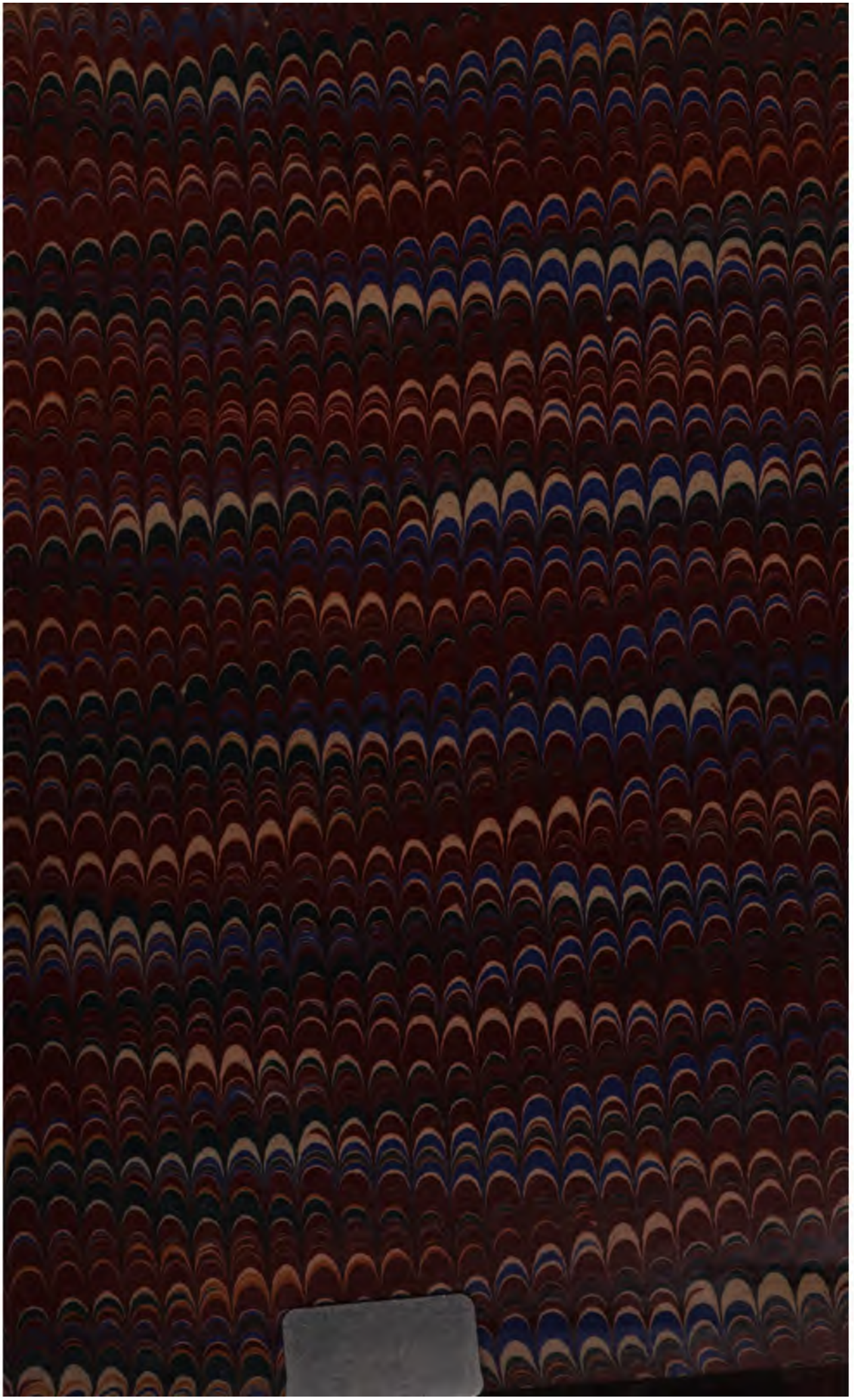

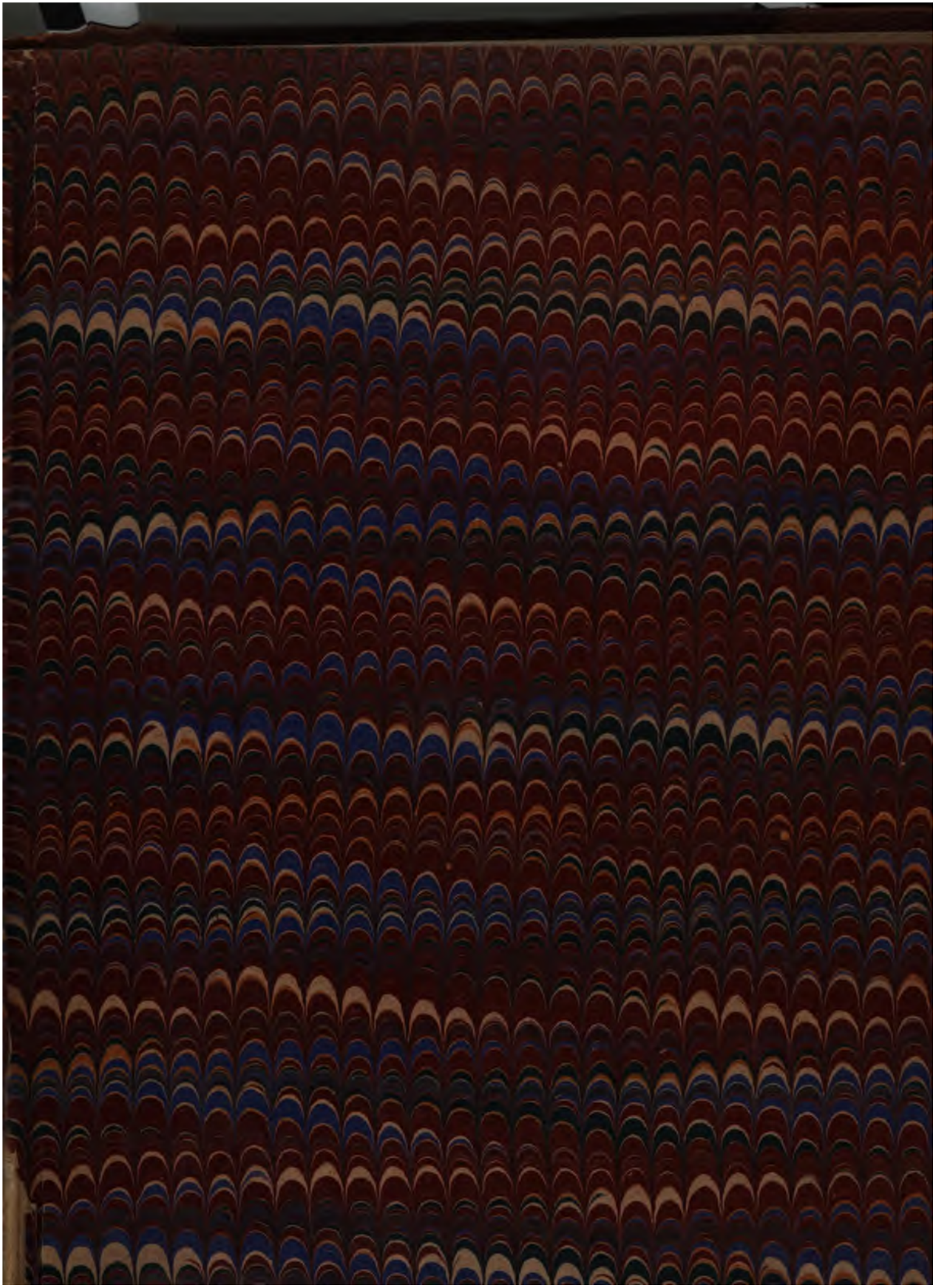

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49

2871
.S562
1880

DEPARTMENT OF THE INTERIOR,

CENSUS OFFICE.

FRANCIS A. WALKER, Superintendent,
Appointed April 1, 1879, resigned November 3, 1881.

CHAS. W. SEATON, Superintendent,
Appointed November 4, 1881. Office of Superintendent abolished March 3, 1885.

REPORT

ON THE

MORTALITY AND VITAL STATISTICS

OF THE

UNITED STATES

AS RETURNED AT THE TENTH CENSUS (JUNE 1, 1880),

BY

JOHN S. BILLINGS,
SURGEON U. S. ARMY,

PART II.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1886.

PLATE II.

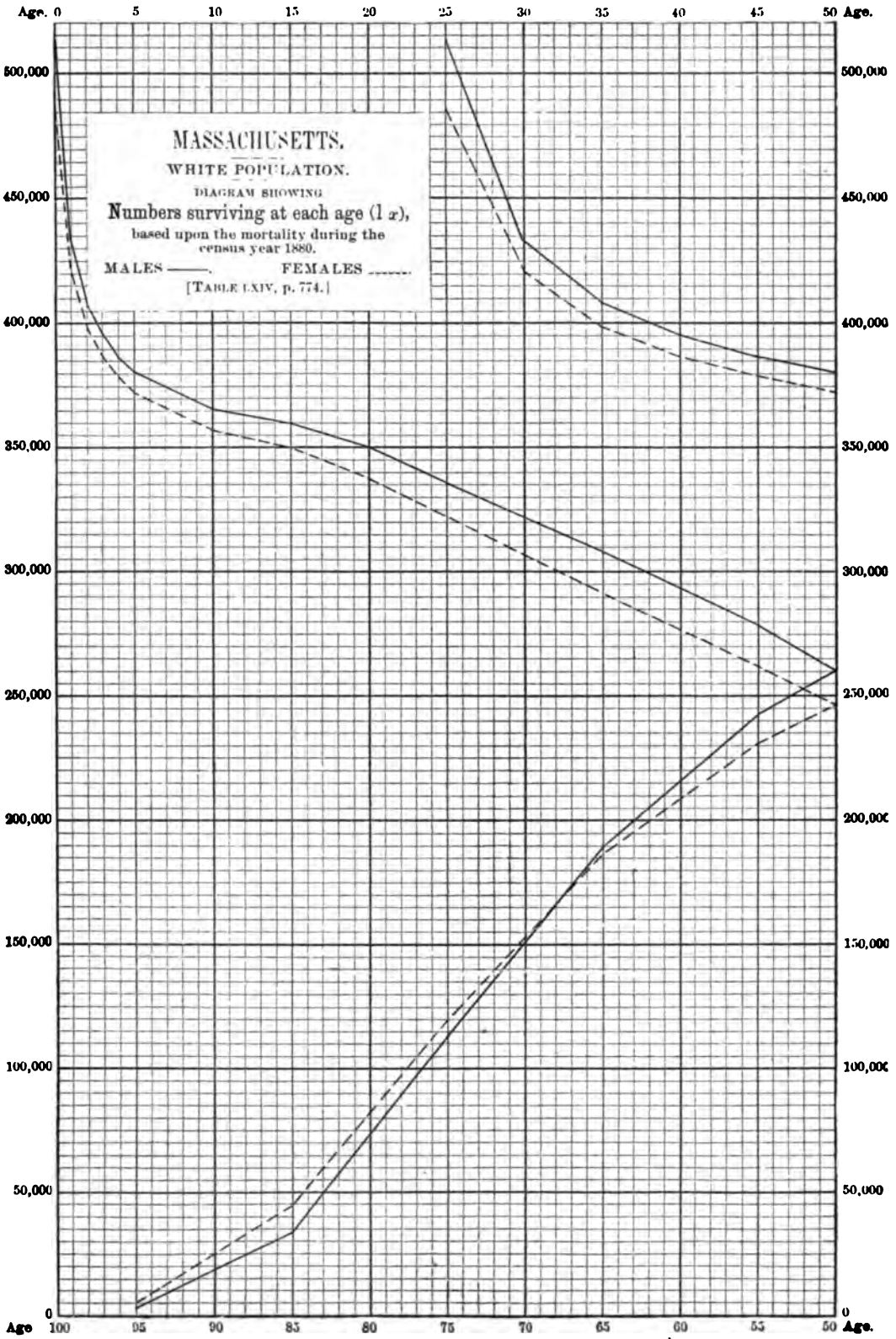

MASSACHUSETTS.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES ------.
[TABLE LXIV, p. 774.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE III.

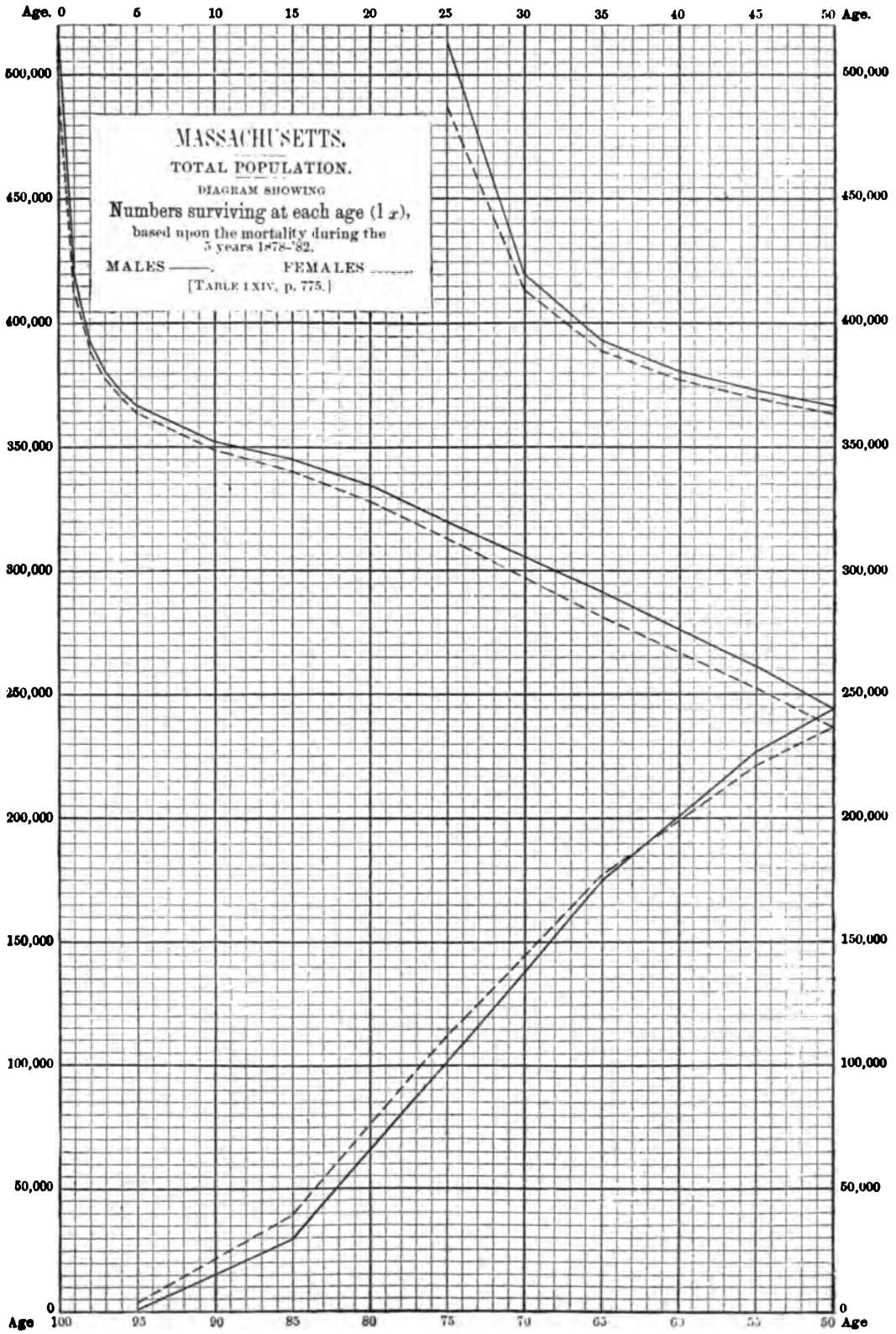

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
MASSACHUSETTS.
TOTAL POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the 5 years 1878–'82.
MALES ——. FEMALES ------.
[TABLE LXIV, p. 775.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age

PLATE IV.

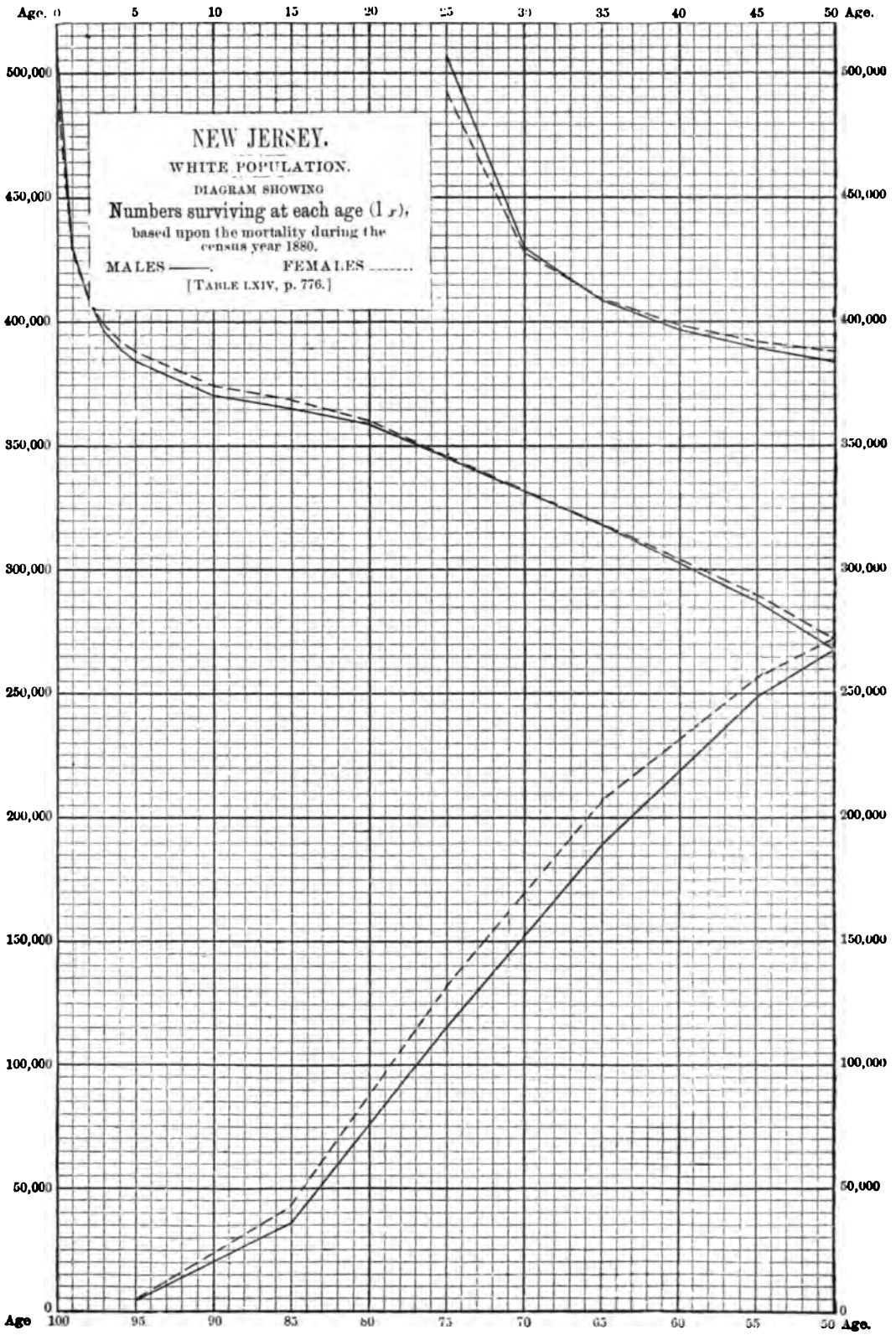

NEW JERSEY.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES ------.
[TABLE LXIV, p. 776.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE V.

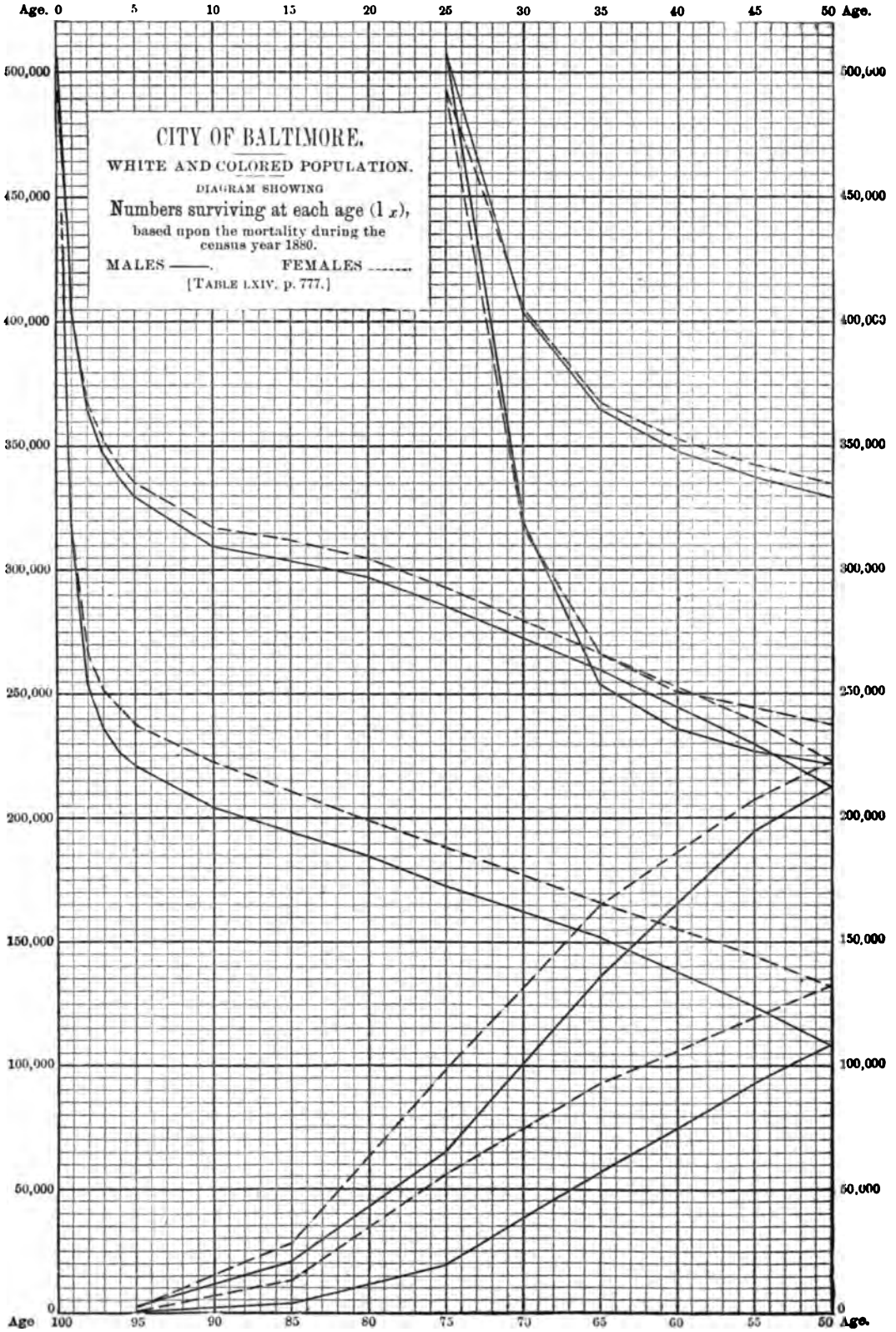

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
CITY OF BALTIMORE.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES - - - - -
[TABLE LXIV. p. 777.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE VI.

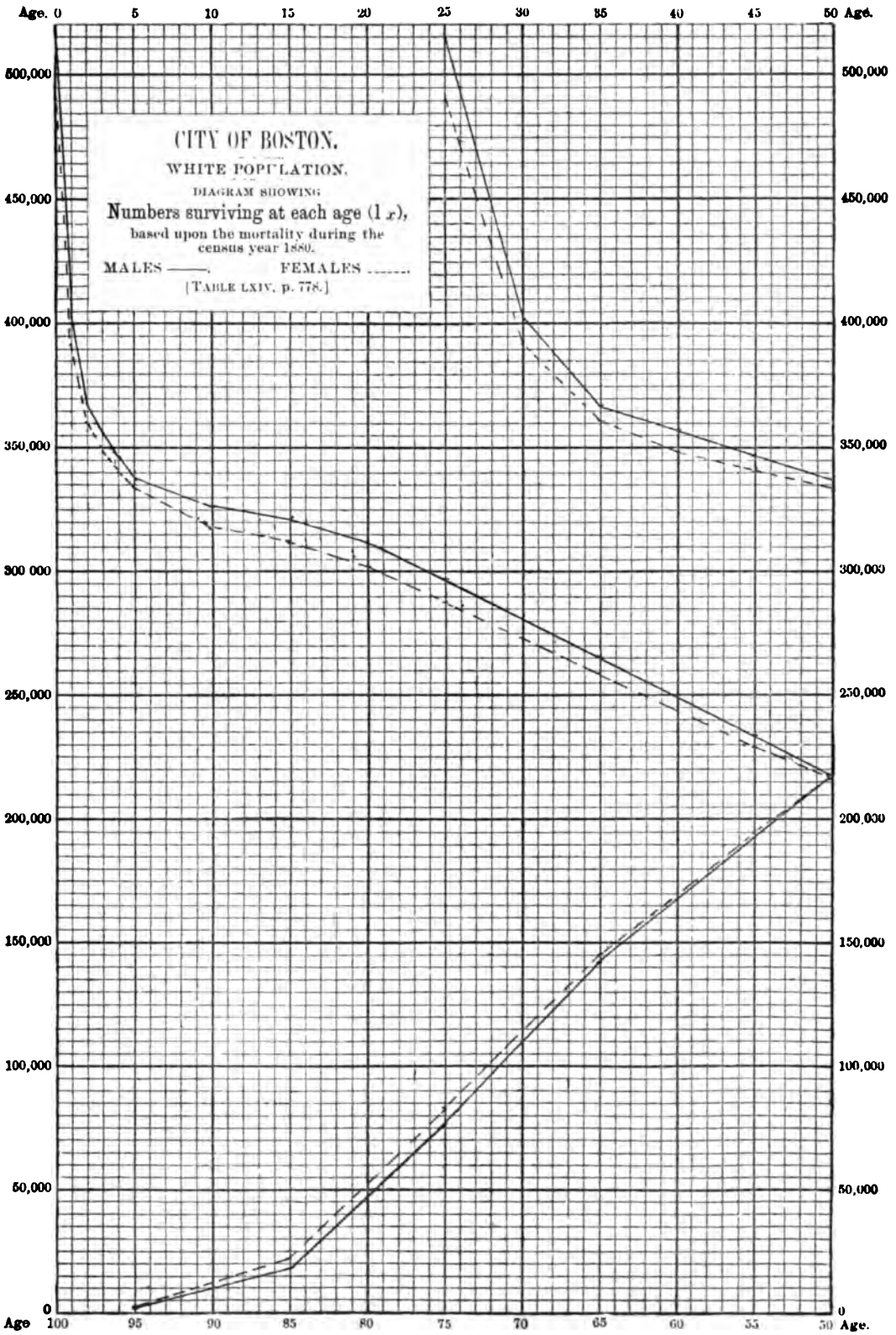

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
CITY OF BOSTON.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES .....
[TABLE LXIV, p. 778.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE VII.

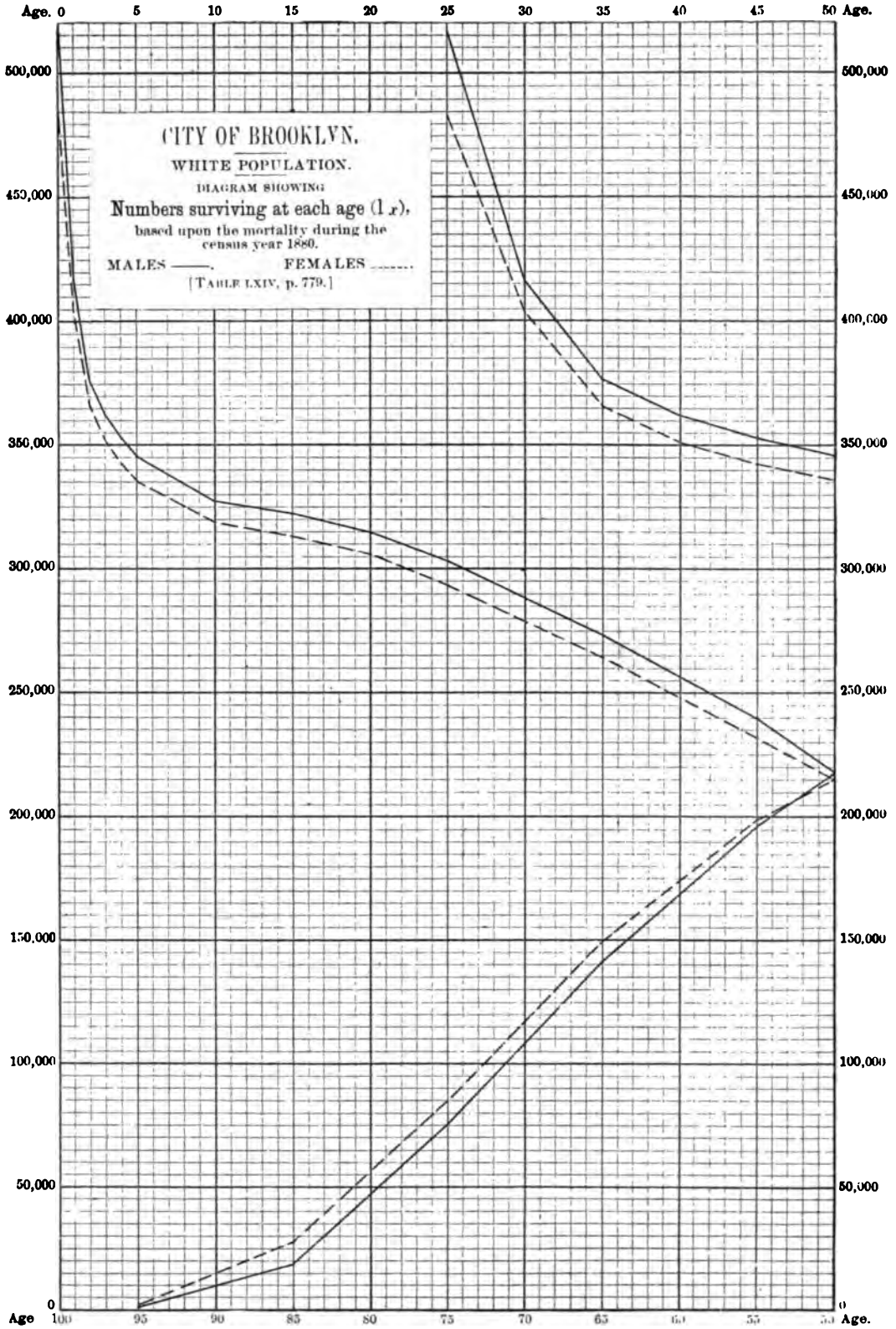

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.
CITY OF BROOKLYN.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES .....
[TABLE LXIV, p. 779.]

PLATE VIII.

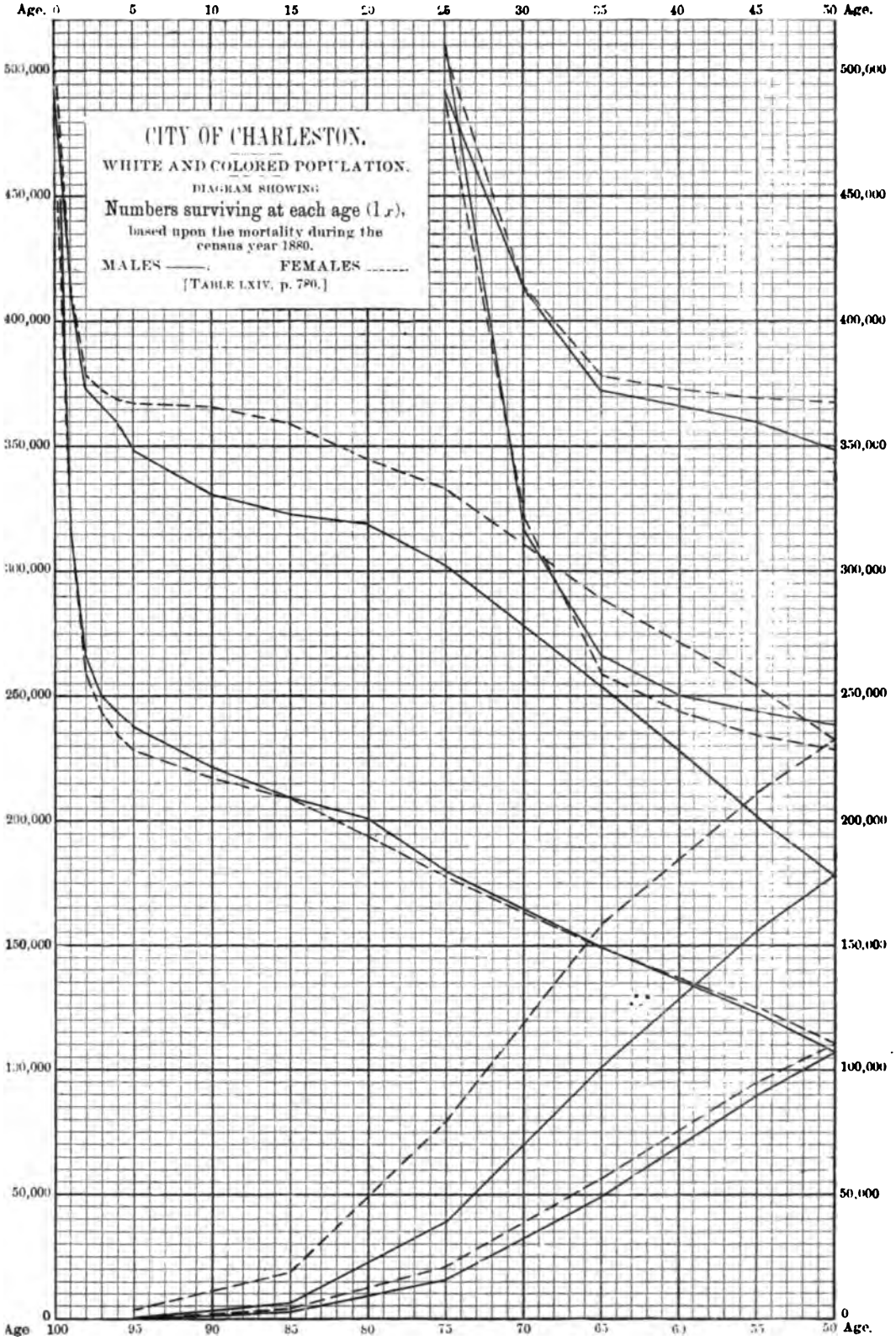

CITY OF CHARLESTON.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES ------
[TABLE LXIV, p. 780.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE IX.

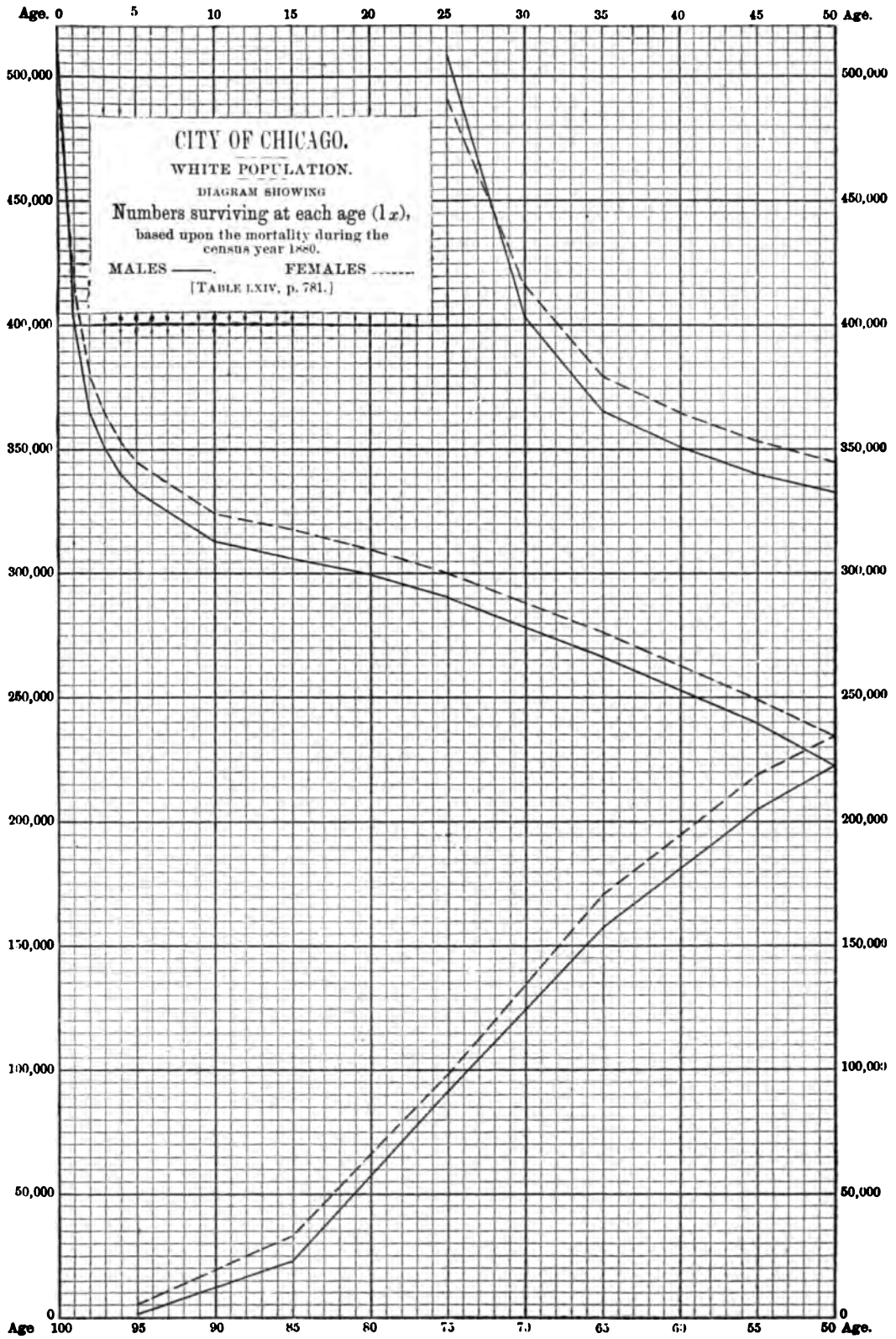

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
CITY OF CHICAGO.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (1x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES .....
[TABLE LXIV, p. 781.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE X.

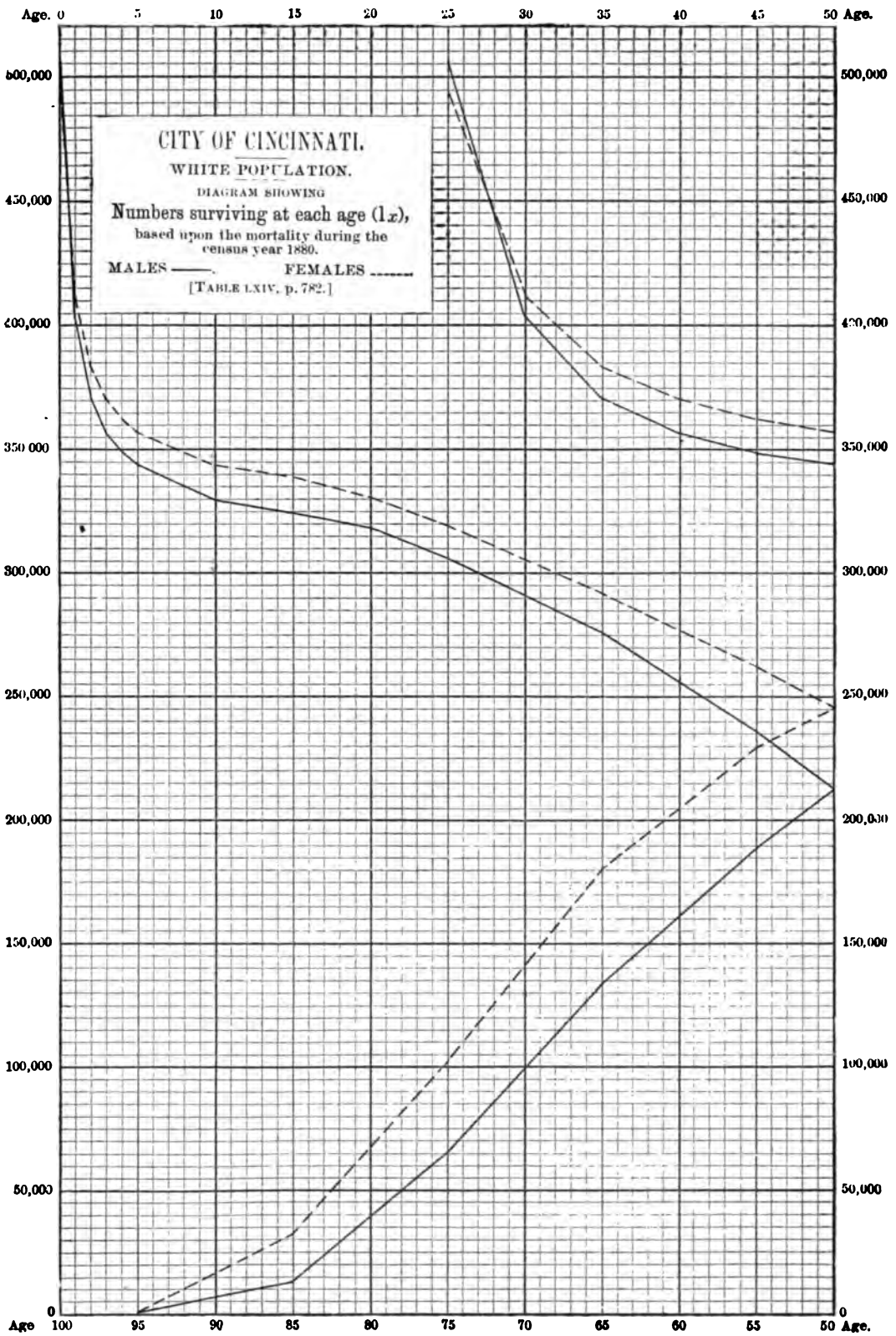

CITY OF CINCINNATI.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES ------
[TABLE LXIV, p. 782.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
600,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE XI.

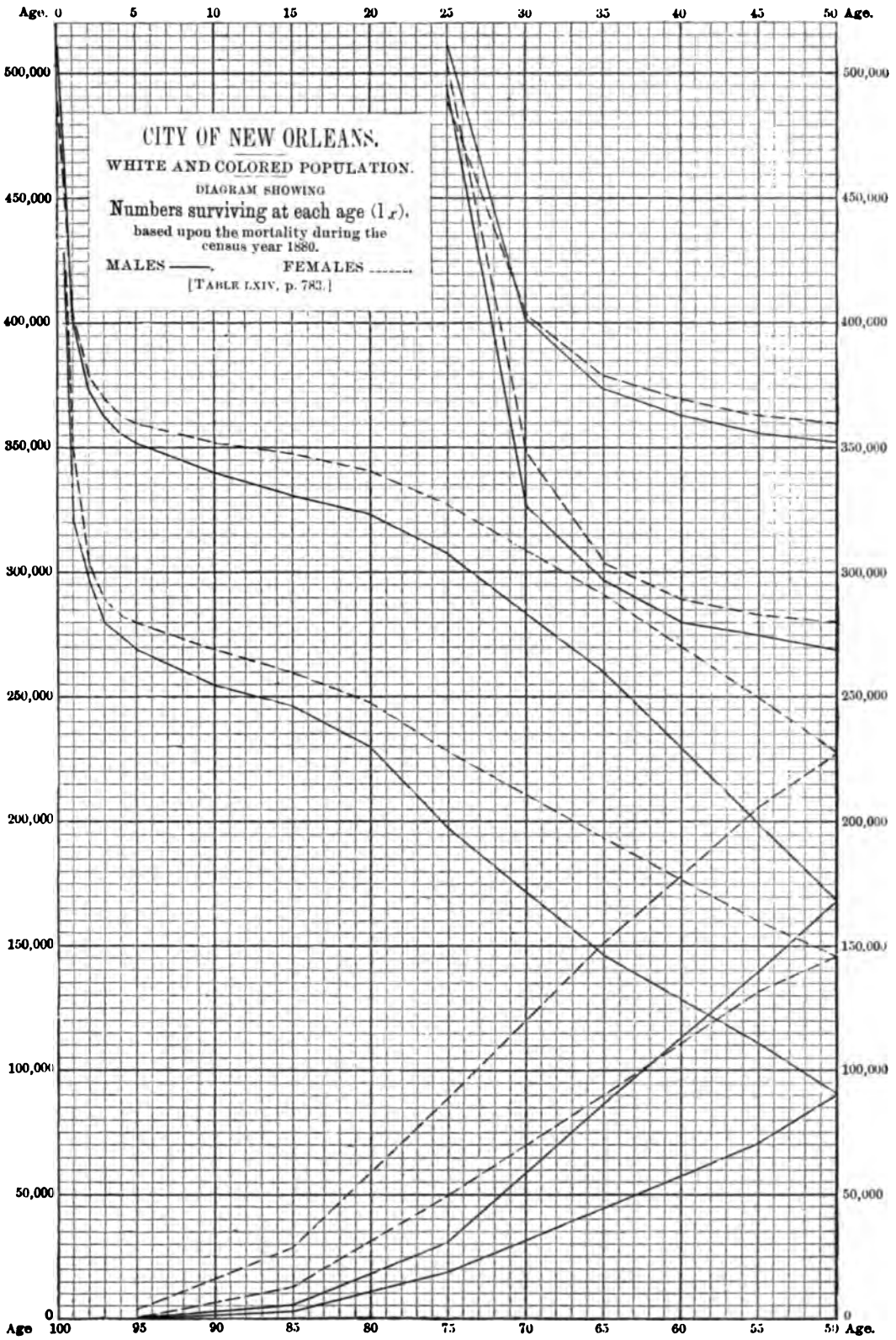

CITY OF NEW ORLEANS.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES - - - - -.
[TABLE LXIV, p. 783.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE XII.

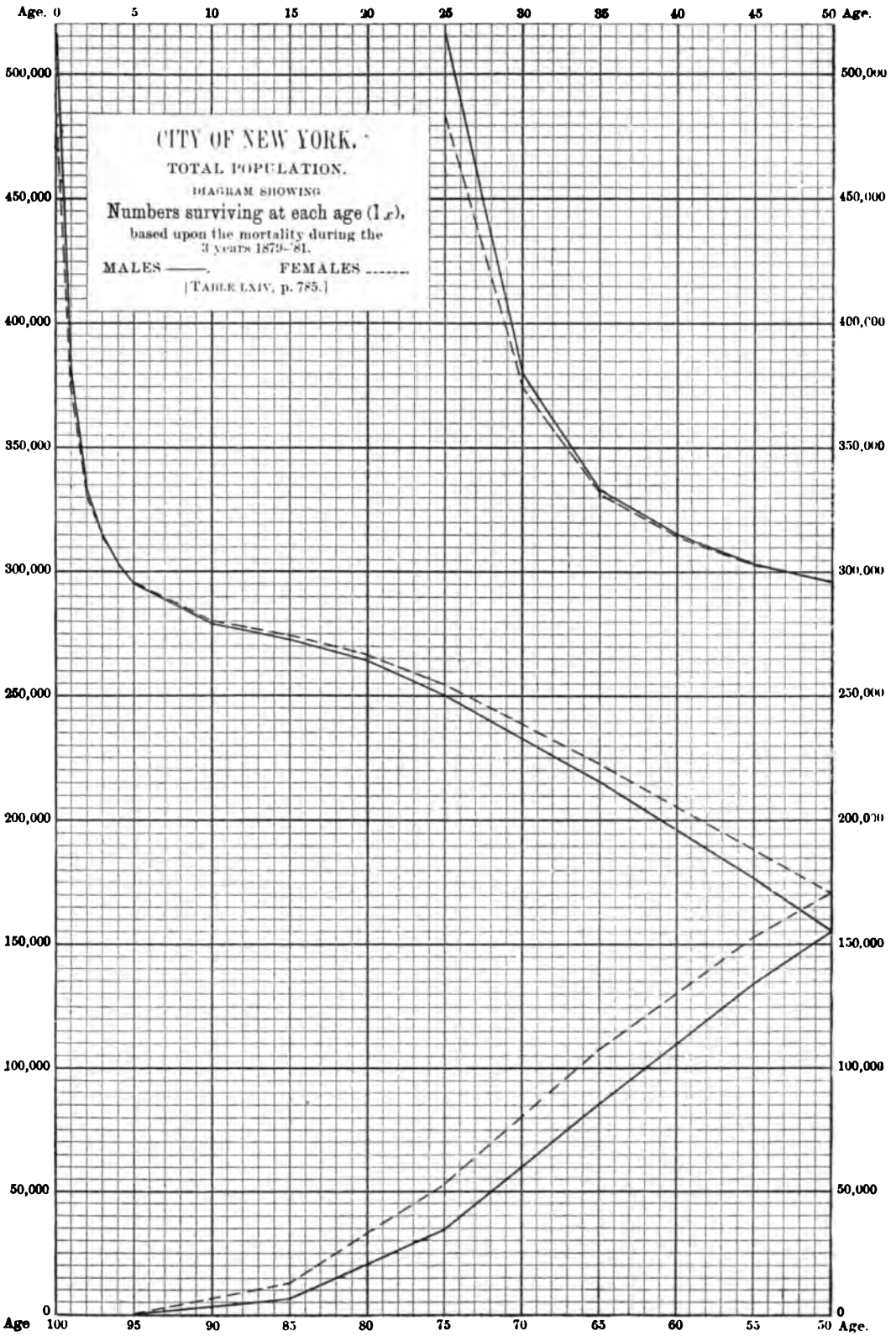

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.
CITY OF NEW YORK.
TOTAL POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the 3 years 1879-'81.
MALES ——. FEMALES -------
[TABLE LXIV, p. 785.]

PLATE XIII.

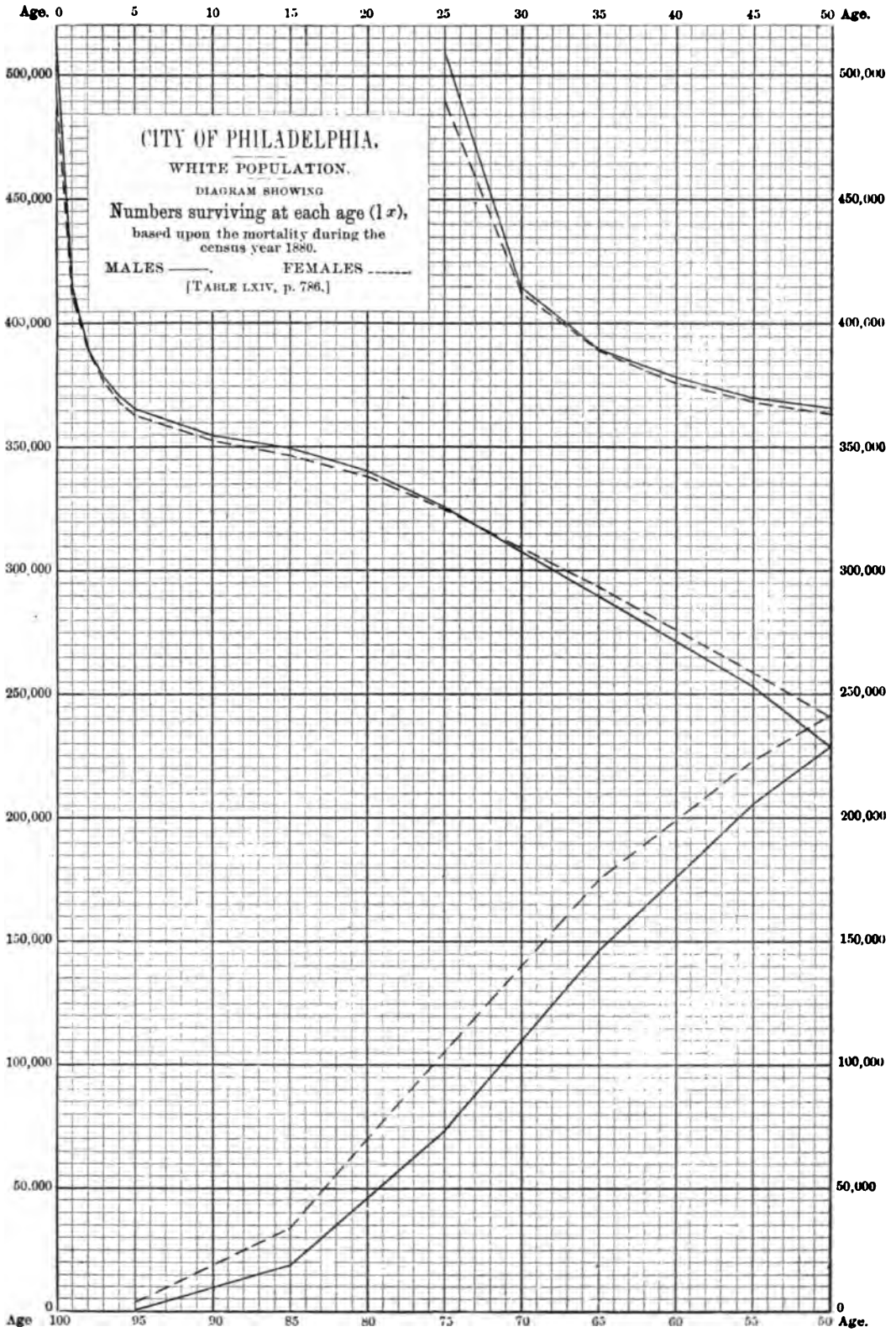

CITY OF PHILADELPHIA.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES - - - - -
[TABLE LXIV, p. 786.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE XIV.

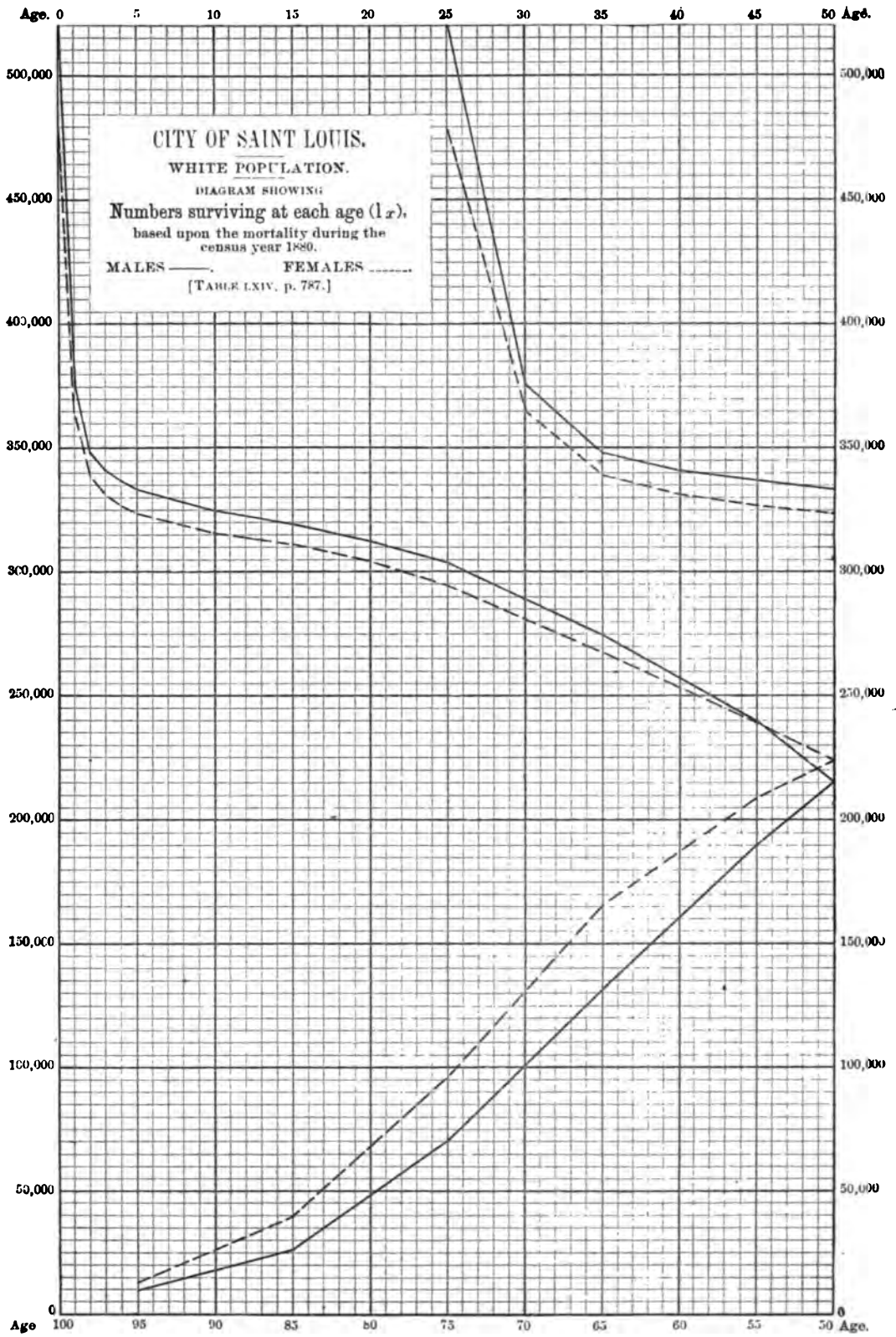

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
CITY OF SAINT LOUIS.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES - - - - -
[TABLE LXIV. p. 787.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE XV.

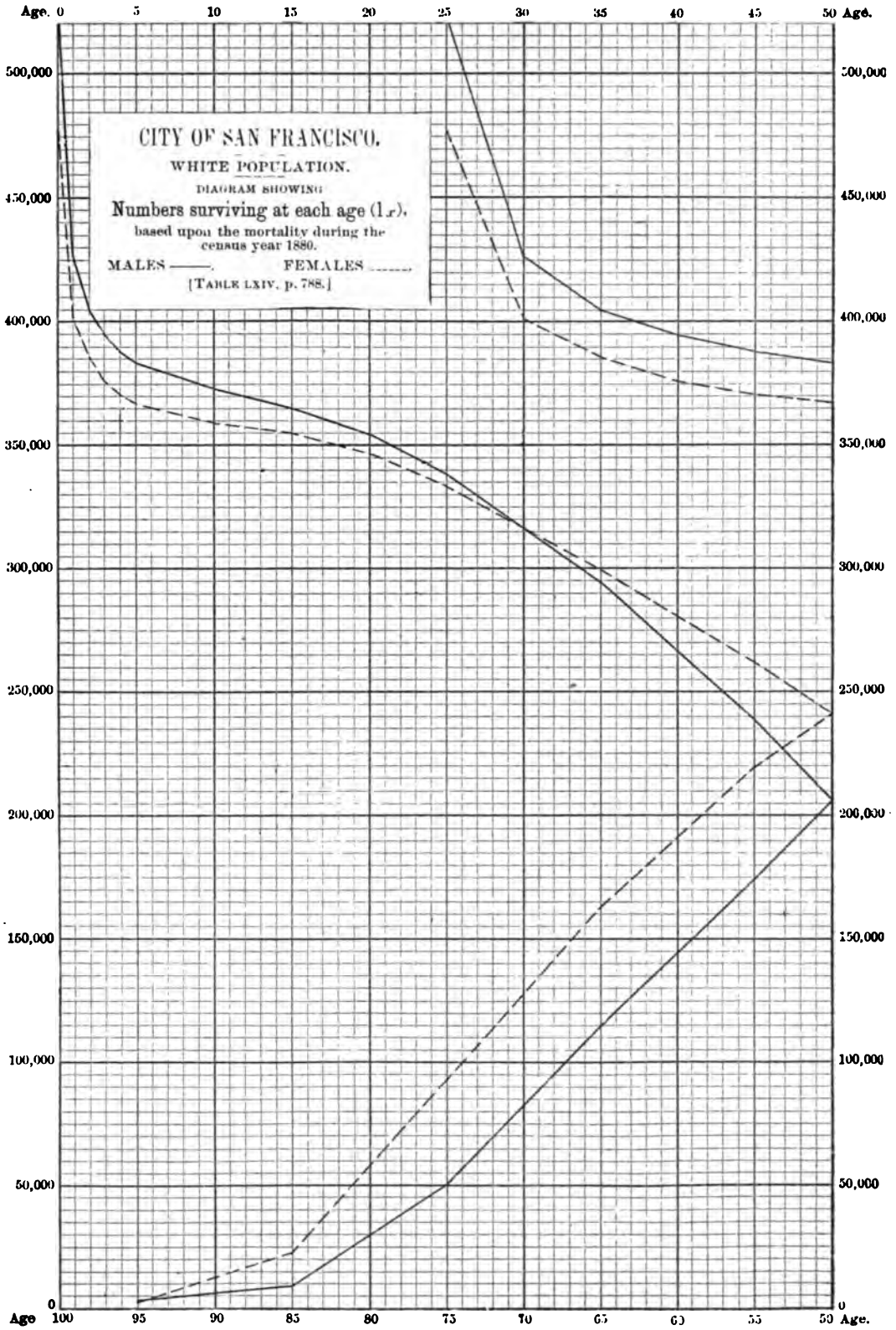

CITY OF SAN FRANCISCO.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
based upon the mortality during the census year 1880.
MALES ——. FEMALES - - - - -
[TABLE LXIV. p. 788.]
Age. 0 5 10 15 20 25 30 35 40 45 50 Aged.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE XVII.

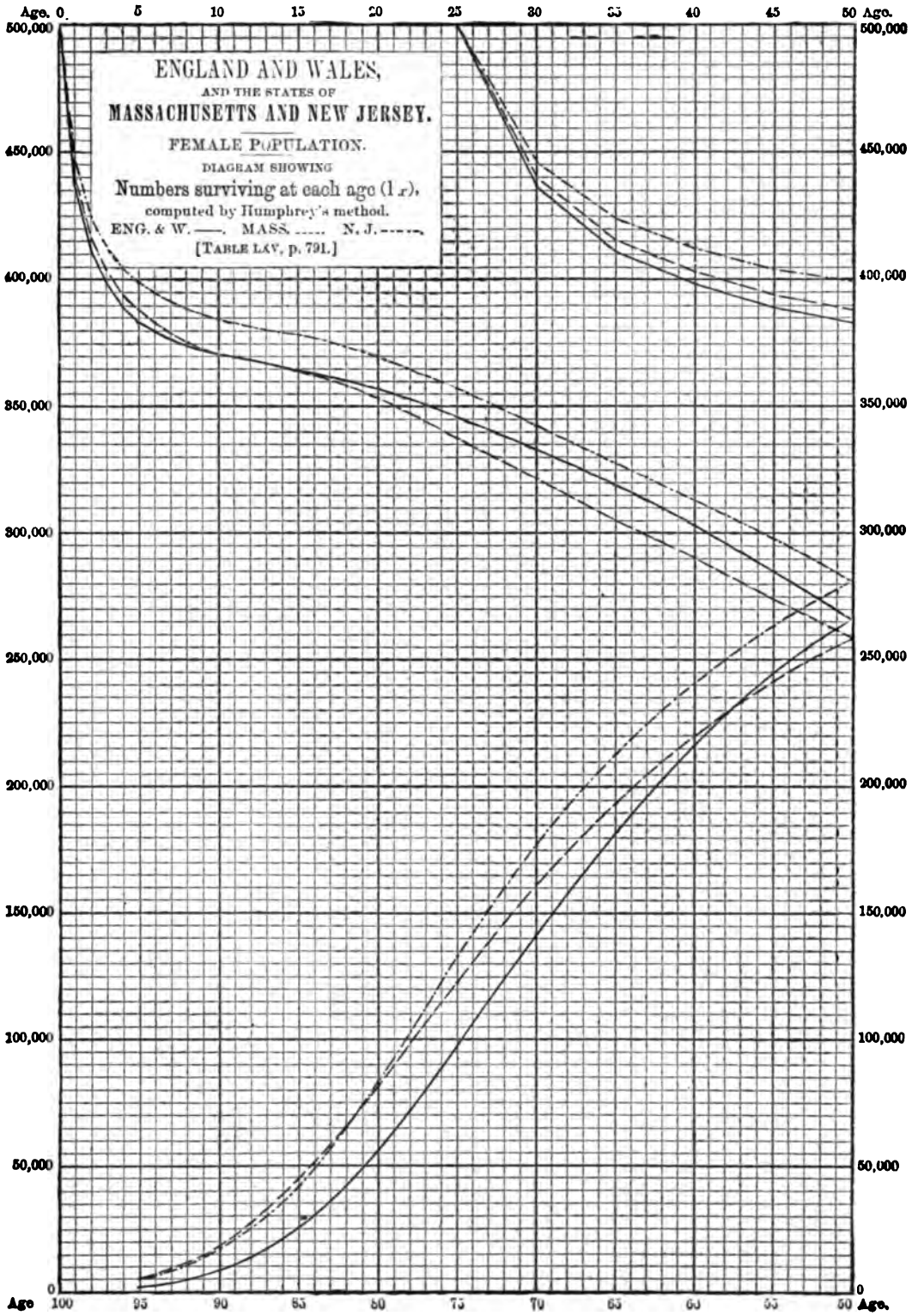

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
ENGLAND AND WALES,
AND THE STATES OF
MASSACHUSETTS AND NEW JERSEY.
FEMALE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l_x),
computed by Humphrey's method.
ENG. & W. ——. MASS. ..... N. J. - - - - -.
[TABLE LXV, p. 791.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE 1.

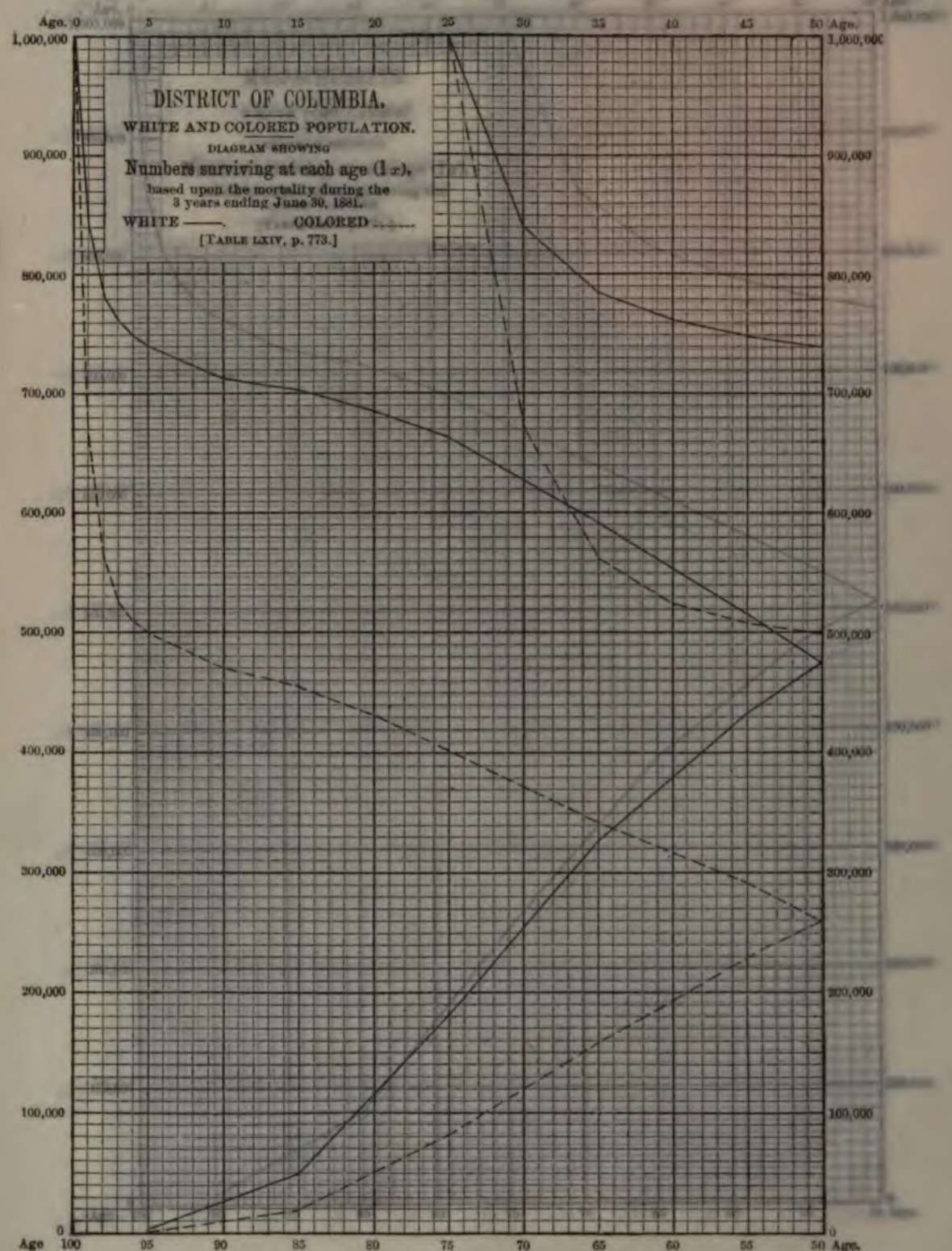

Age. 0 5 10 15 20 25 30 35 40 45 50 Age.
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
DISTRICT OF COLUMBIA.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the 3 years ending June 30, 1881.
WHITE ——. COLORED .....
[TABLE LXIV, p. 773.]
Age 100 95 90 85 80 75 70 65 60 55 50 Age.

PLATE 1.

DISTRICT OF COLUMBIA.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
3 years ending June 30, 1881.
WHITE ——, COLORED ------
[TABLE LXIV, p. 773.]
Ages. 0 5 10 15 20 25 30 35 40 45 50
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0

PLATE 2.

MASSACHUSETTS.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census Year 1850.
[TABLE LXIV, p. 774.]
Age
0
100,000
200,000
300,000
400,000
500,000
600,000
700,000
800,000
900,000
1,000,000

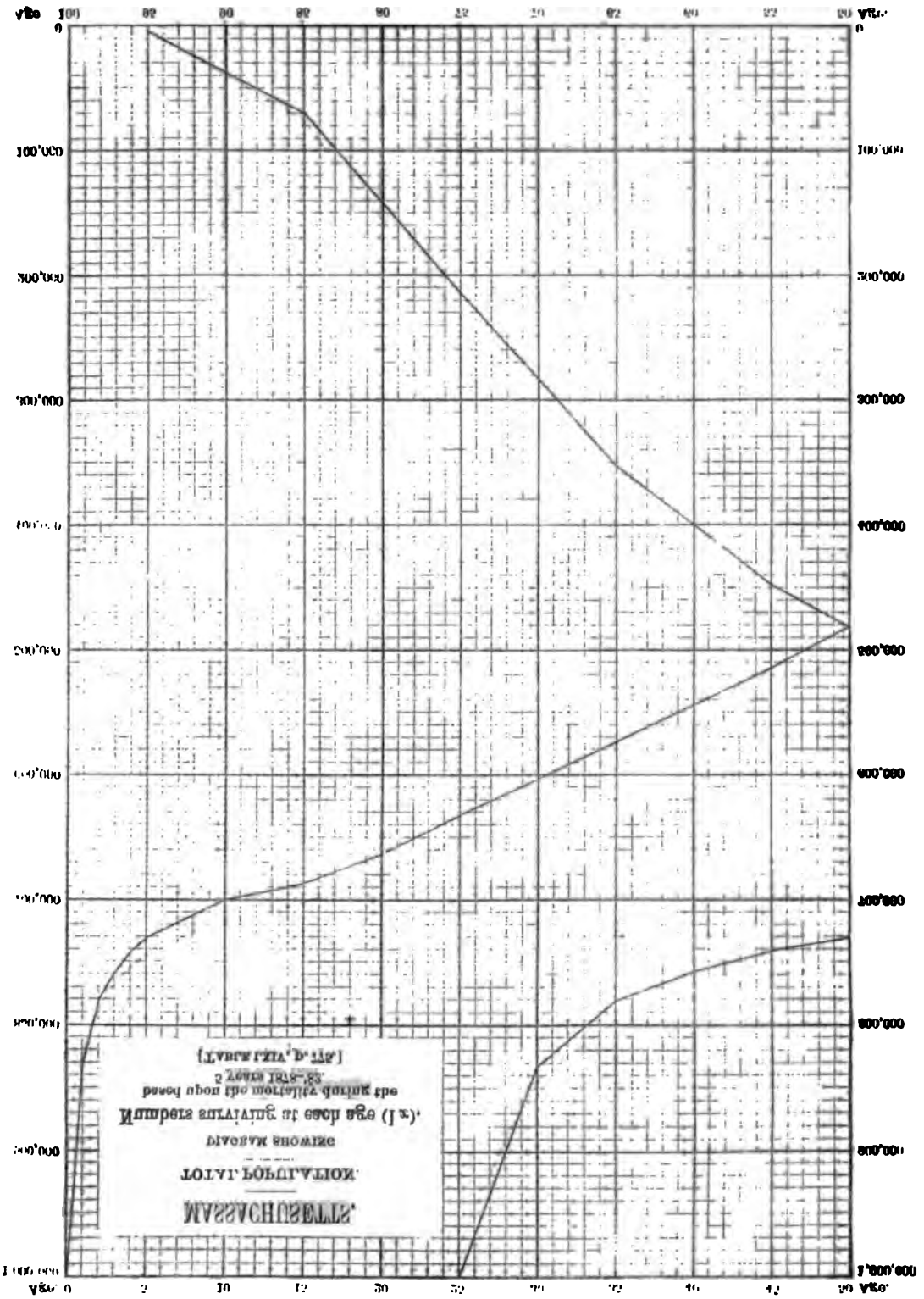

MASSACHUSETTS.
TOTAL POPULATION.
DIAGRAM SHOWING
Millimetres entering at each age (l x).
Age

PLATE 8.

PLATE 4.

NEW JERSEY.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x).
based upon the mortality during the
census year 1880.
[TABLE LXIV, p. 776.]
Ages. 0
5
10
15
20
25
30
35
40
45
50
Ages.
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Ages. 100
95
90
85
80
75
70
65
60
55
50
Ages.

PLATE B.

CITY OF BALTIMORE.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census year 1880.
WHITE ——. COLORED) ----
[TABLE LXIV, p. 111.]
Age. 0
Age. 100
1,000,000
800,000
600,000
400,000
200,000
100,000
0

PLATE 8.

CITY OF BOSTON.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x).
based upon the mortality during the
census Year 1850.
[TABLE LXIV, p. 178.]

PLATE 8.

CITY OF CHARLESTON.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census year 1880.
WHITE
COLORED
[TABLE LXIV, p. 780.]
Ages. 0 5 10 15 20 25 30 35 40 45 50 Ages.
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Ages. 50 55 60 65 70 75 80 85 90 95 100 Ages.

PLATE 10.

CITY OF CINCINNATI.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census Year 1880.
[TABLE LXIV, p. 782.]
Ages. 0 5 10 15 20 25 30 35 40 45 50
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Ages. 0 5 10 15 20 25 30 35 40 45 50
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Ages. 50 55 60 65 70 75 80 85 90 95 100

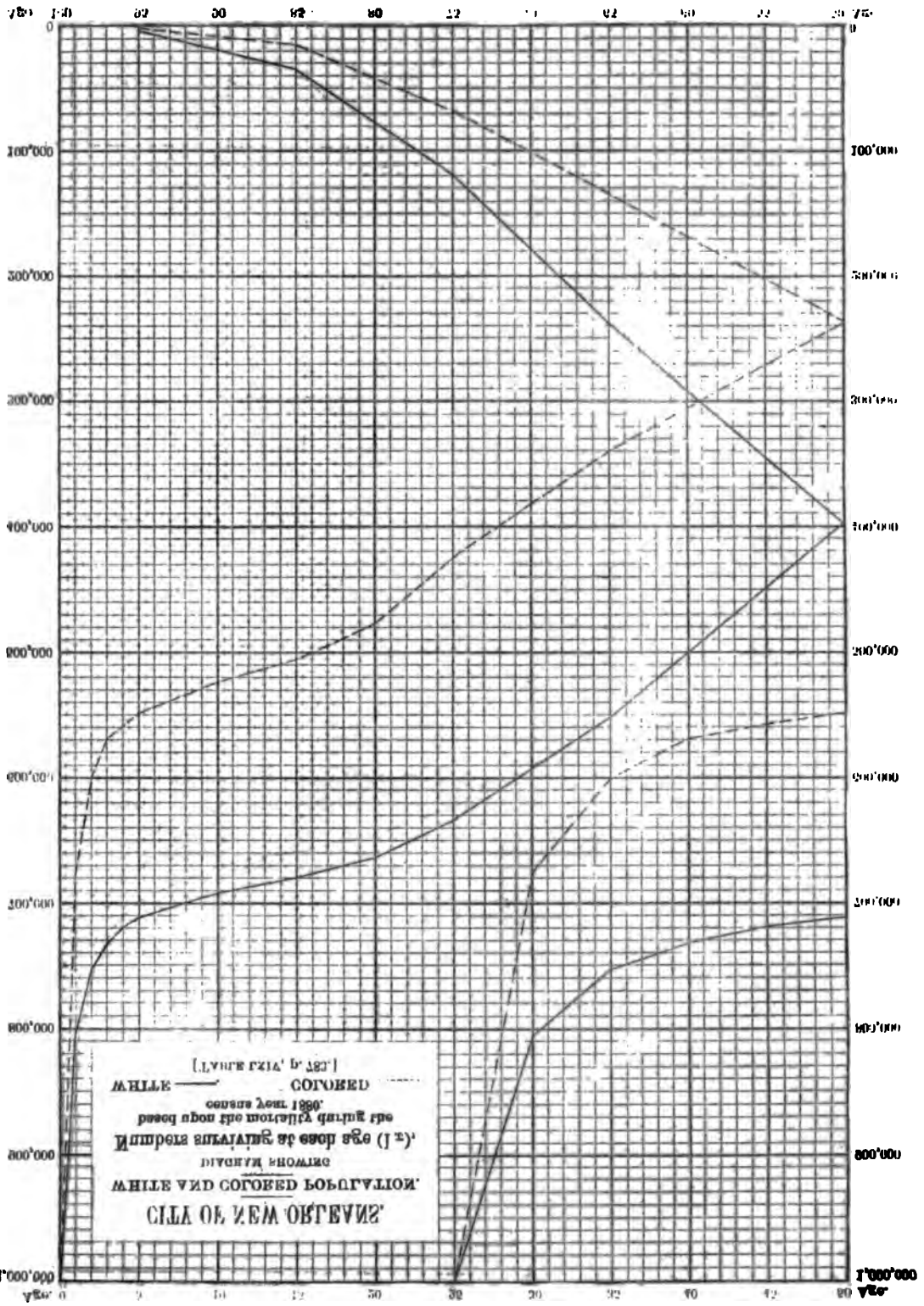

CITY OF NEW ORLEANS.
WHITE AND COLORED POPULATION.
DIAGRAM SHOWING
Numbers entering at each age (1-2),
based upon the mortality during the
census year 1880.
WHITE —— COLORED ----
[LARGE DATA, p. 287]

PLATE II.

PLATE 13.

CITY OF NEW YORK.
TOTAL POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
3 years 1879-'81.
[TABLE LXIV, p. 185.]

PLATE 14.

CITY OF PHILADELPHIA.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census year 1870.
[TABLE LXIV, p. 788.]

PLATE 18.

CITY OF SAINT LOUIS.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x).
based upon the mortality during the
census year 1880.
[TABLE LXIV, p. 787.]

PLATE 16.

CITY OF SAN FRANCISCO.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census year 1880.
(TABLE LXIV, p. 788.)
Age. 0
5
10
15
20
25
30
35
40
45
50
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0

PLATE 17.

ENGLAND AND WALES.
TOTAL POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
5 years 1876-'80.
Computed by Humphrey's method.
[Table LXV, p. 701.]

PLATE 17.

ENGLAND AND WALES.
TOTAL POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x).
based upon the mortality during the
5 years 1876-'80.
Computed by Humphrey's method.
[TABLE LXV, p. 701.]
Ages. 0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0

PLATE 18.

MASSACHUSETTS.
WHITE POPULATION.
DIAGRAM SHOWING
Numbers surviving at each age (l x),
based upon the mortality during the
census year 1880.
Computed by Humphrey's method.
[TABLE LXV, p. 701.]
Ages. 0 5 10 15 20 25 30 35 40 45 50
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Ages. 100 95 90 85 80 75 70 65 60 55 50

PLATE 19.

NEW JERSEY.
WHITE POPULATION.
Numbers surviving at each age (l_x),
based upon the mortality during the
census year 1850.
Computed by Humphrey's method.
[TABLE LXV, p. 791.]
Age. 0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0

DIAGRAM No. 1.

DISTRICT OF COLUMBIA.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites and Colored, at various ages,
based upon the mortality during the
3 years ending June 30, 1881.
[TABLE LXIV, p. 773.]
White Females
White Males
Colored Females
Colored Males

DIAGRAM No. 2.

DISTRICT OF COLUMBIA.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites and Colored, at various ages,
based upon the mortality during the
3 years ending June 30, 1881.
(TABLE LXIV, p. 173.)
White Persons.
Colored Persons.

DIAGRAM No. 3.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites, at various ages,
based on approximate life tables for the
certain year 1880.
[TABLE XLIV, p. 774.]
FEMALES
MALES
0
10
20
30
40
50
60

DIAGRAM No. 4.

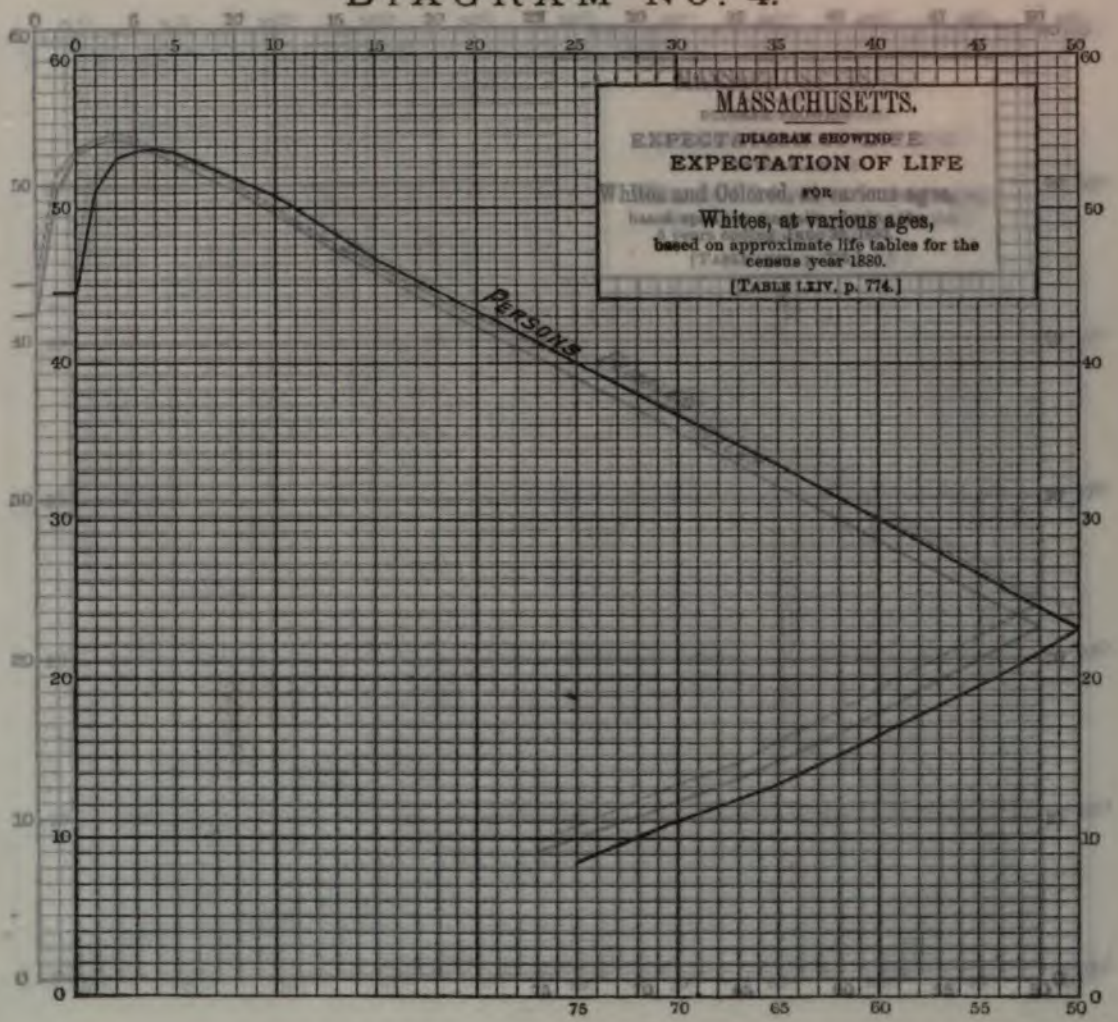

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites, at various ages,
based on approximate life tables for the census year 1880.
[TABLE LXIV, p. 774.]
Persons
0
5
10
15
20
25
30
35
40
45
50
60
50
40
30
20
10
0
75
70
65
60
55
50

DIAGRAM No. 4.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites, at various ages,
based on approximate life tables for the
census year 1880.
[TABLE LXIV, p. 774.]
PERSONS.

DIAGRAM No. 5.

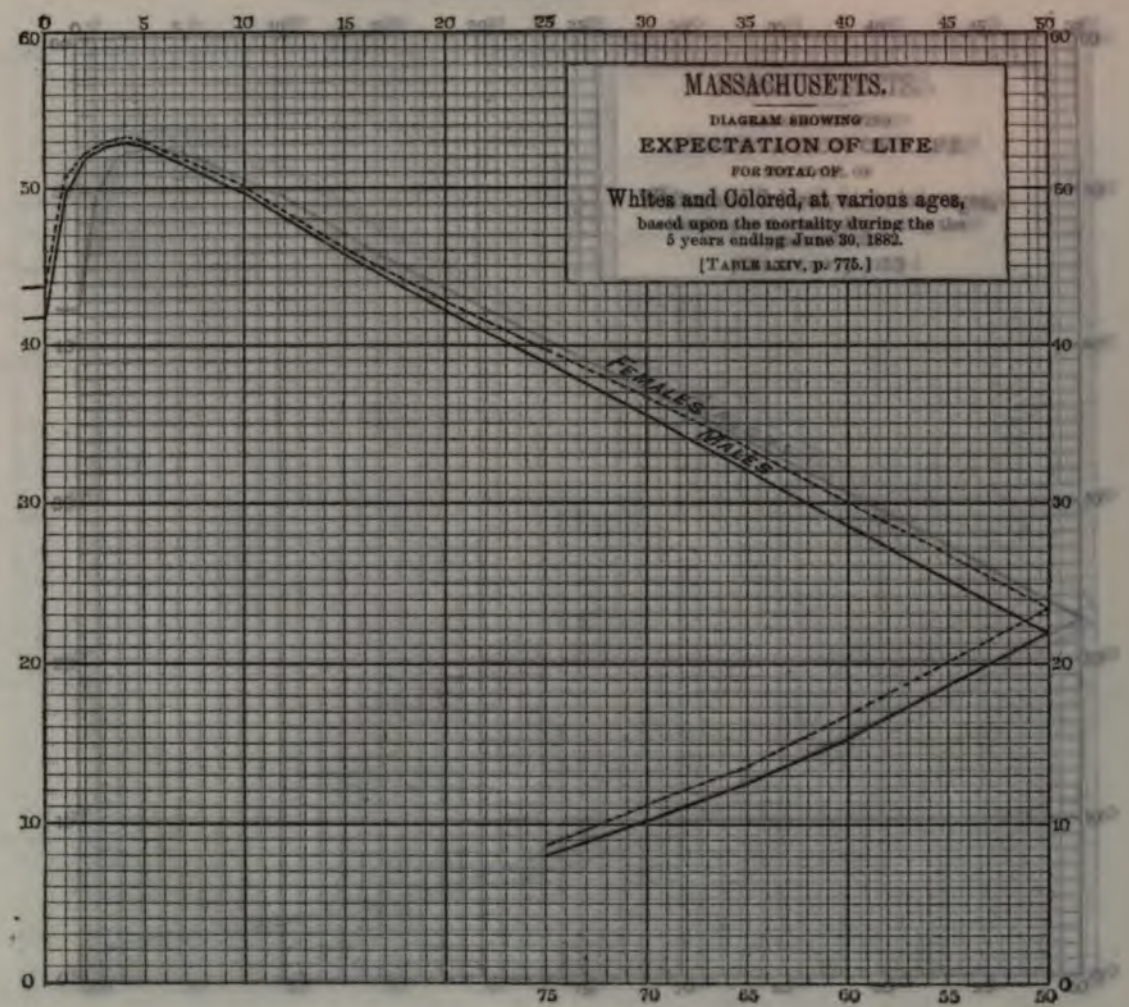

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR TOTAL OF
Whites and Colored, at various ages,
based upon the mortality during the
5 years ending June 30, 1882.
[TABLE LXIV, p. 775.]
FEMALES.
MALES.
0
5
10
15
20
25
30
35
40
45
50
60
50
40
30
20
10
0
75
70
65
60
55
50

DIAGRAM No. 8.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR TOTAL OF
Whites and Colored, at various ages,
based upon the mortality during the
5 years ending June 30, 1882.
[TABLE LXIV, p. 776.]
FEMALES
MALES
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
10
20
30
40
50
60

DIAGRAM No. 6.

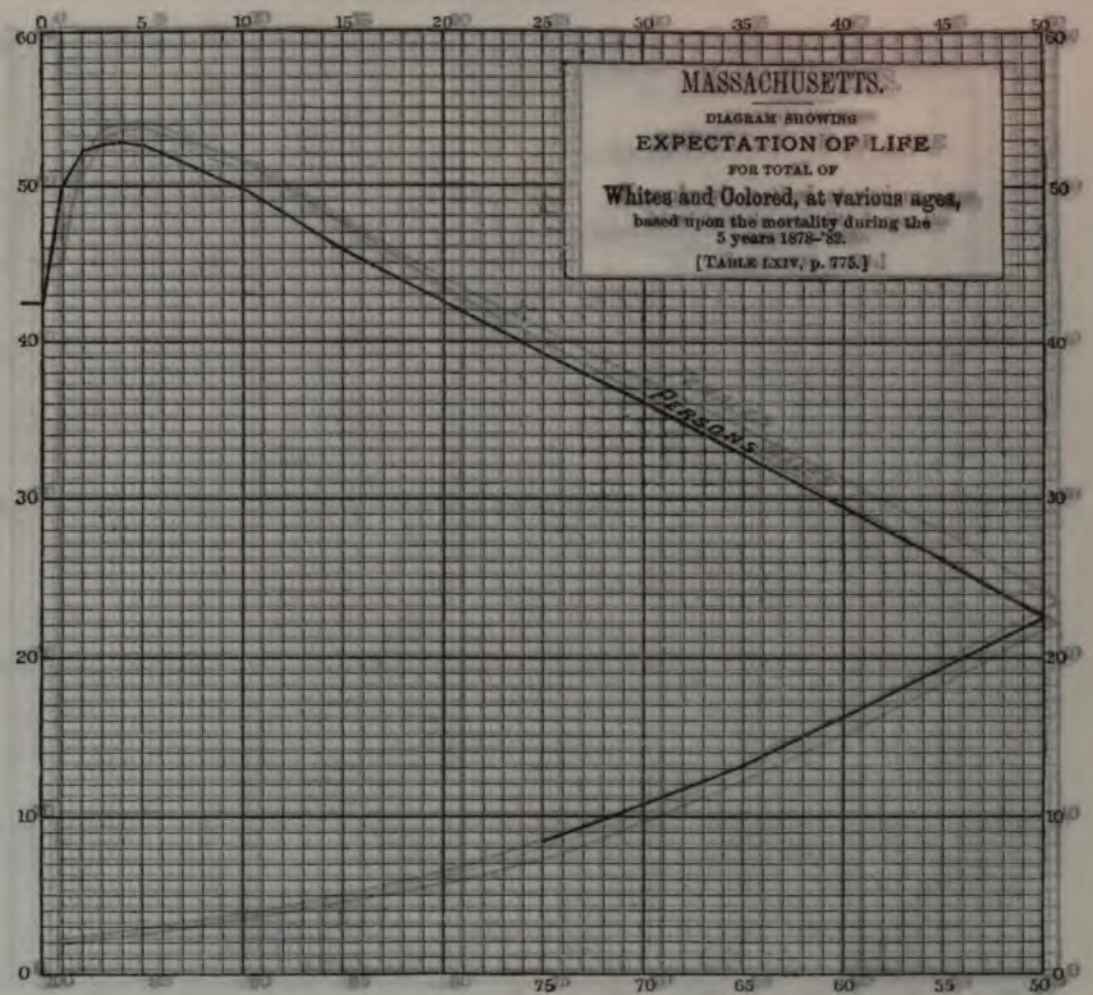

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR TOTAL OF
Whites and Colored, at various ages,
based upon the mortality during the 5 years 1878-'82.
[TABLE LXIV, p. 775.]
PERSONS
0 5 10 15 20 25 30 35 40 45 50
60 50 40 30 20 10 0
75 70 65 60 55 50

DIAGRAM No. 6.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR TOTAL OF
Whites and Colored, at various ages,
based upon the mortality during the
5 years 1879-'83.
[TABLE LXIV, p. 775.]
PERSONS.

DIAGRAM No. 7.

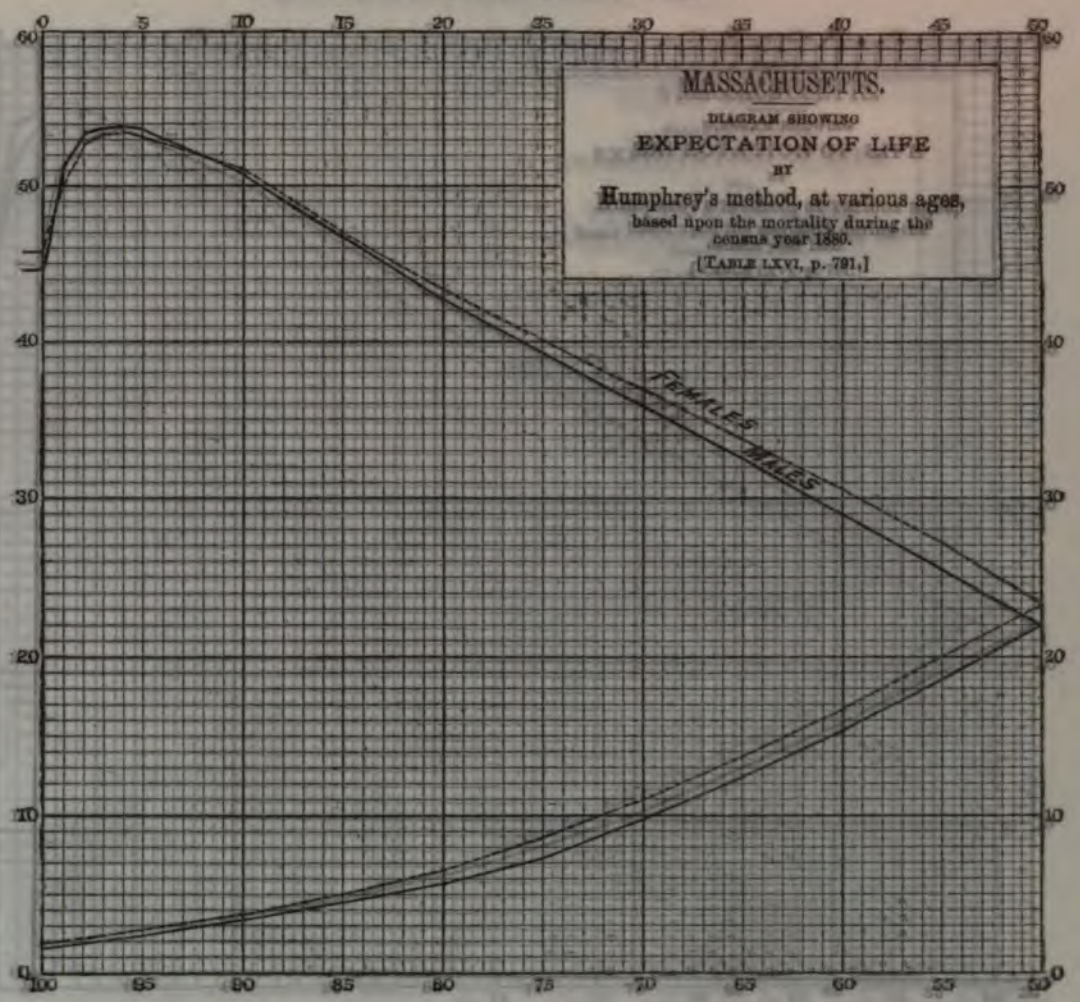

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
BY
Humphrey's method, at various ages,
based upon the mortality during the census year 1880.
[TABLE LXVI, p. 791.]
FEMALES.
MALES.
0
5
10
15
20
25
30
35
40
45
50
60
50
40
30
20
10
0
100
95
90
85
80
75
70
65
60
55
50

DIAGRAM No. 7.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
BY
Humphrey's method, at various ages,
based upon the mortality during the
census year 1880.
[TABLE LXVI, p. 791.]
FEMALES.
MALES.

DIAGRAM No 8.

MASSACHUSETTS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
BY
Humphrey's method, at various ages,
based upon the mortality during the
census year 1850.
[TABLE LXVI, p. 701.]

DIAGRAM No. 9.

NEW JERSEY.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites, at various ages,
based on approximate life table for the
census year 1880.
[TABLE LXIV, p. 776.]
FEMALES
MALES

DIAGRAM No. 10.

DIAGRAM No. 11.

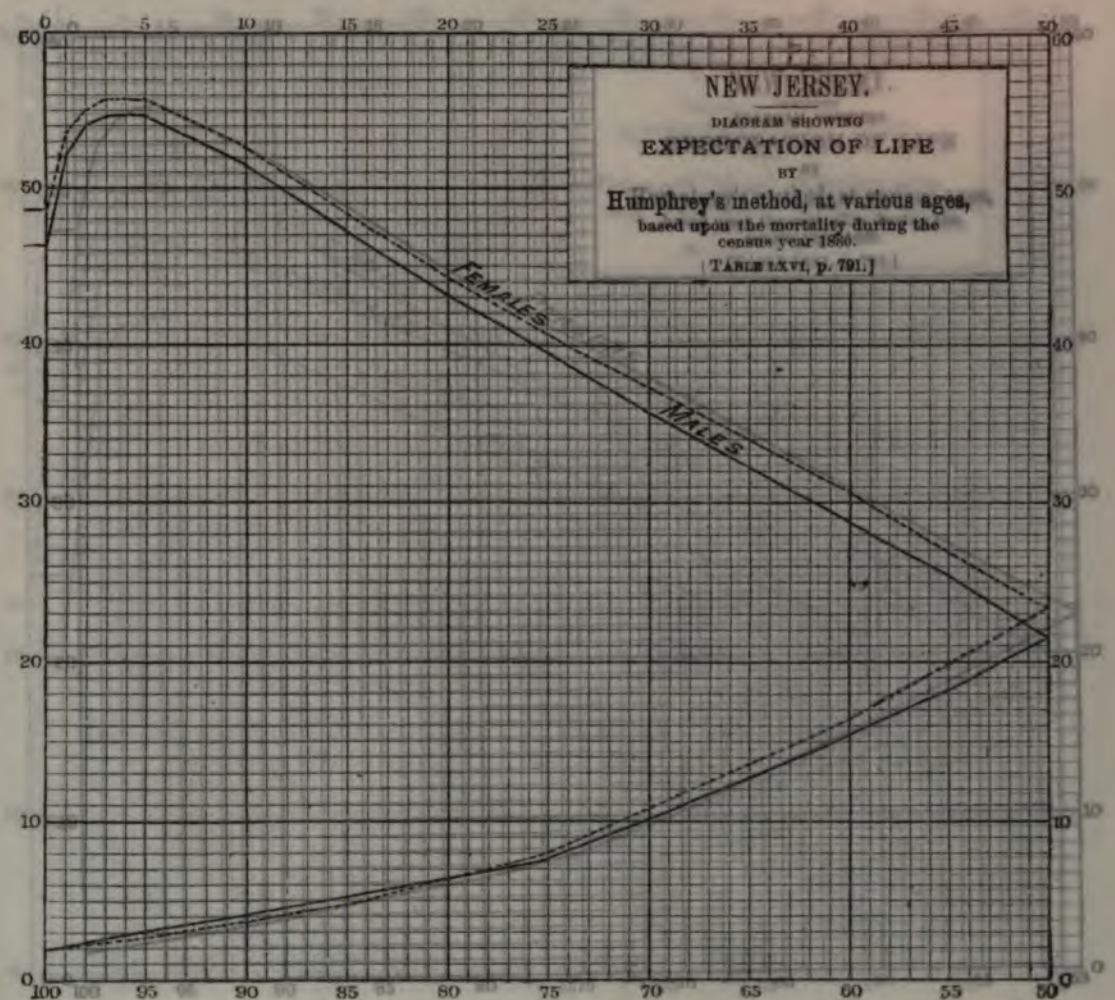


DIAGRAM No. 11.

DIAGRAM No. 12.

DIAGRAM No. 18.

DIAGRAM No. 14.

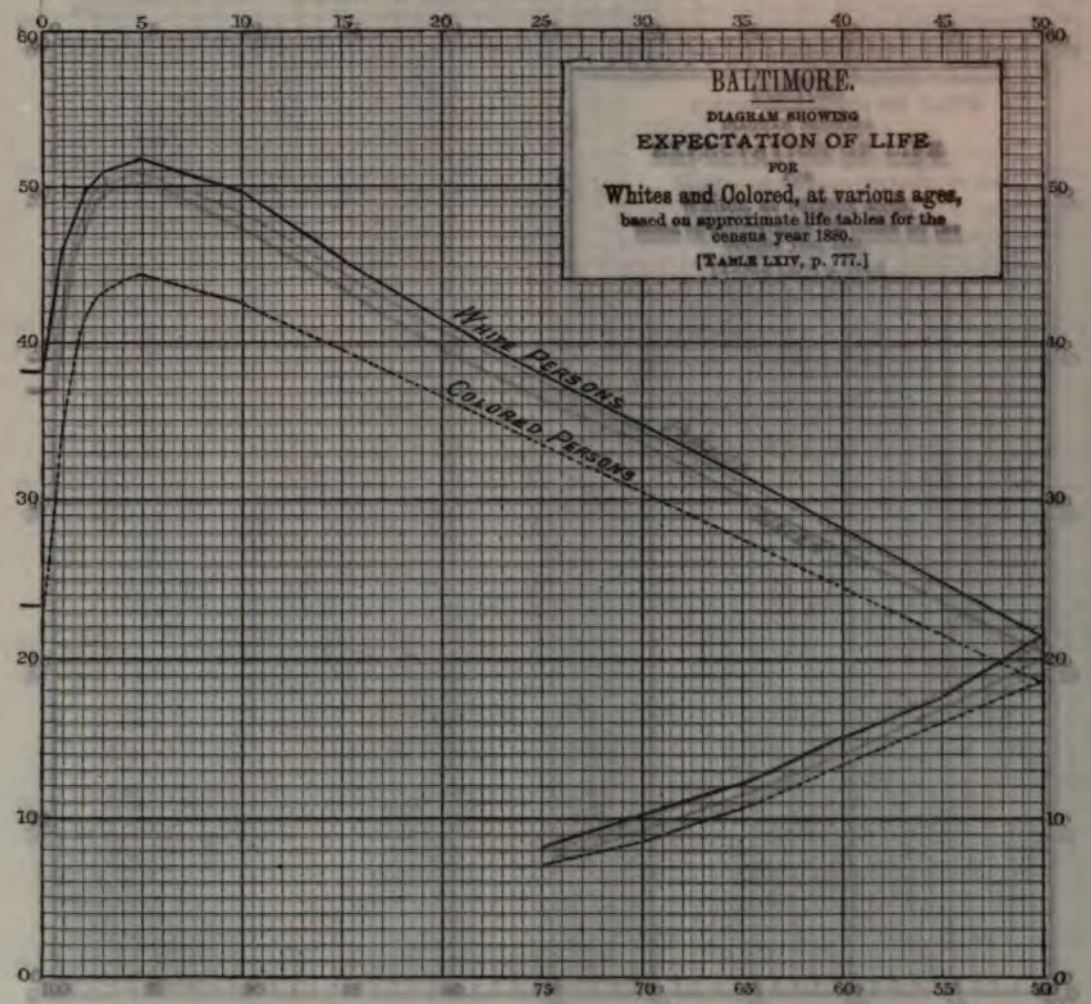


DIAGRAM No. 14.

DIAGRAM No. 15.

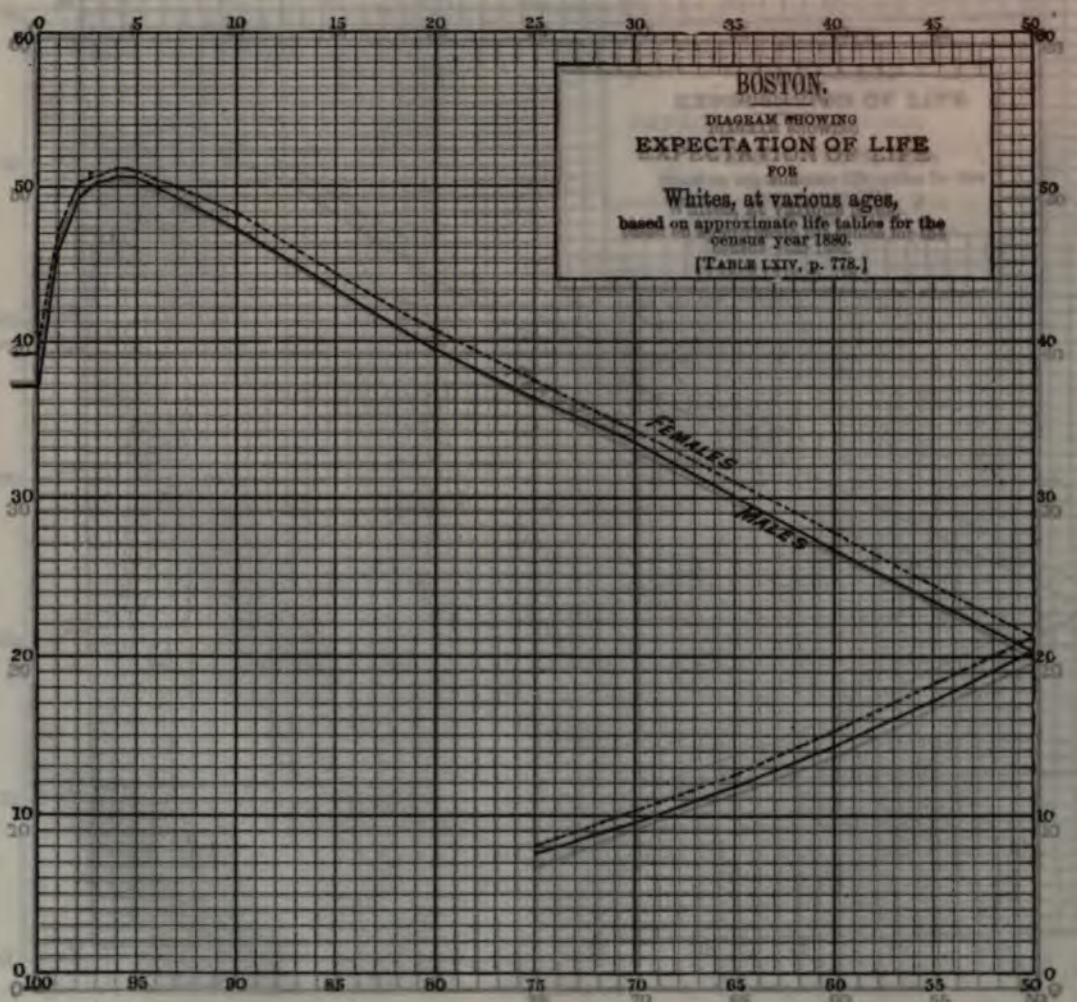


DIAGRAM No. 18.

DIAGRAM No. 16.

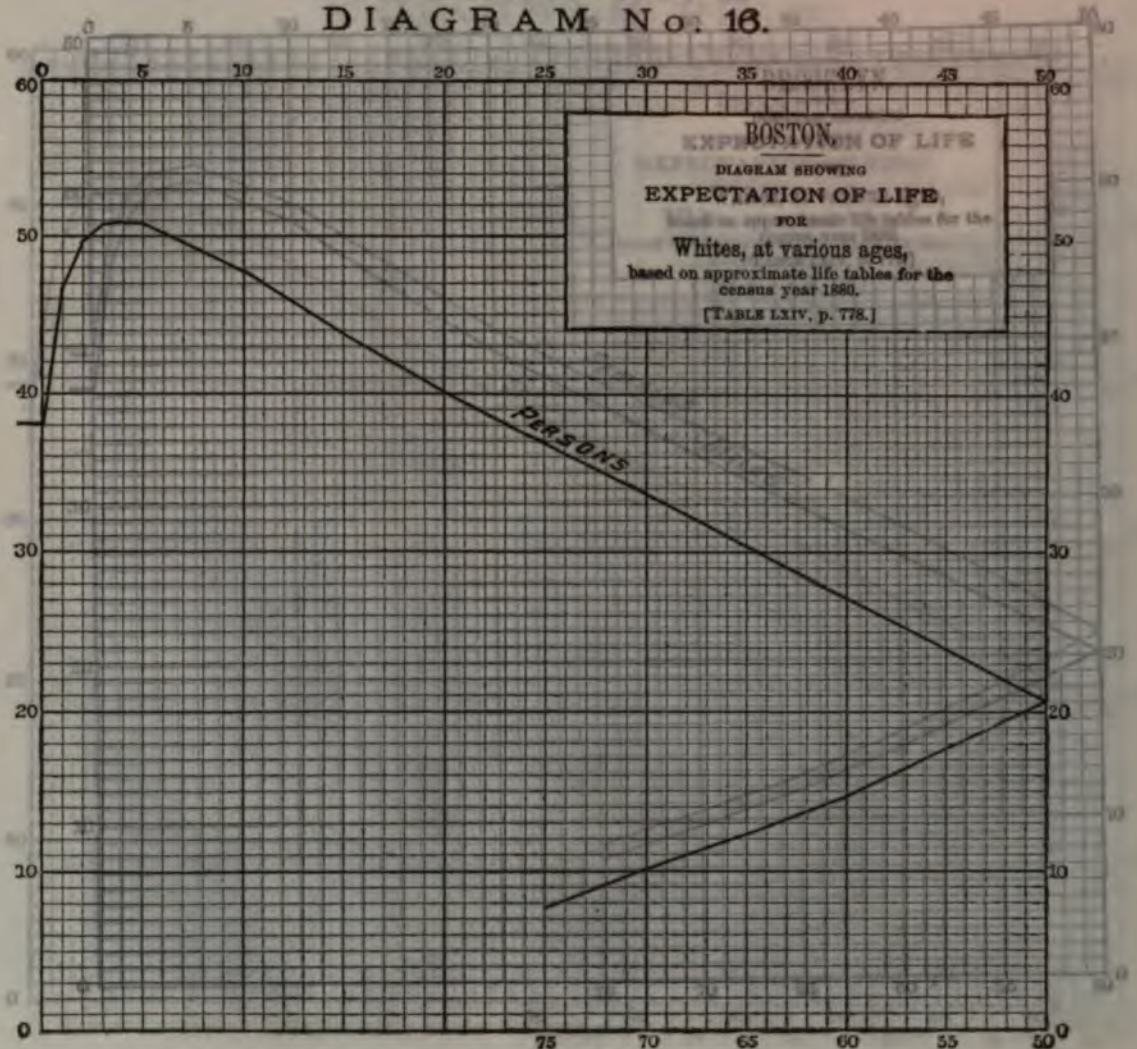


DIAGRAM No. 18.

DIAGRAM No. 17.

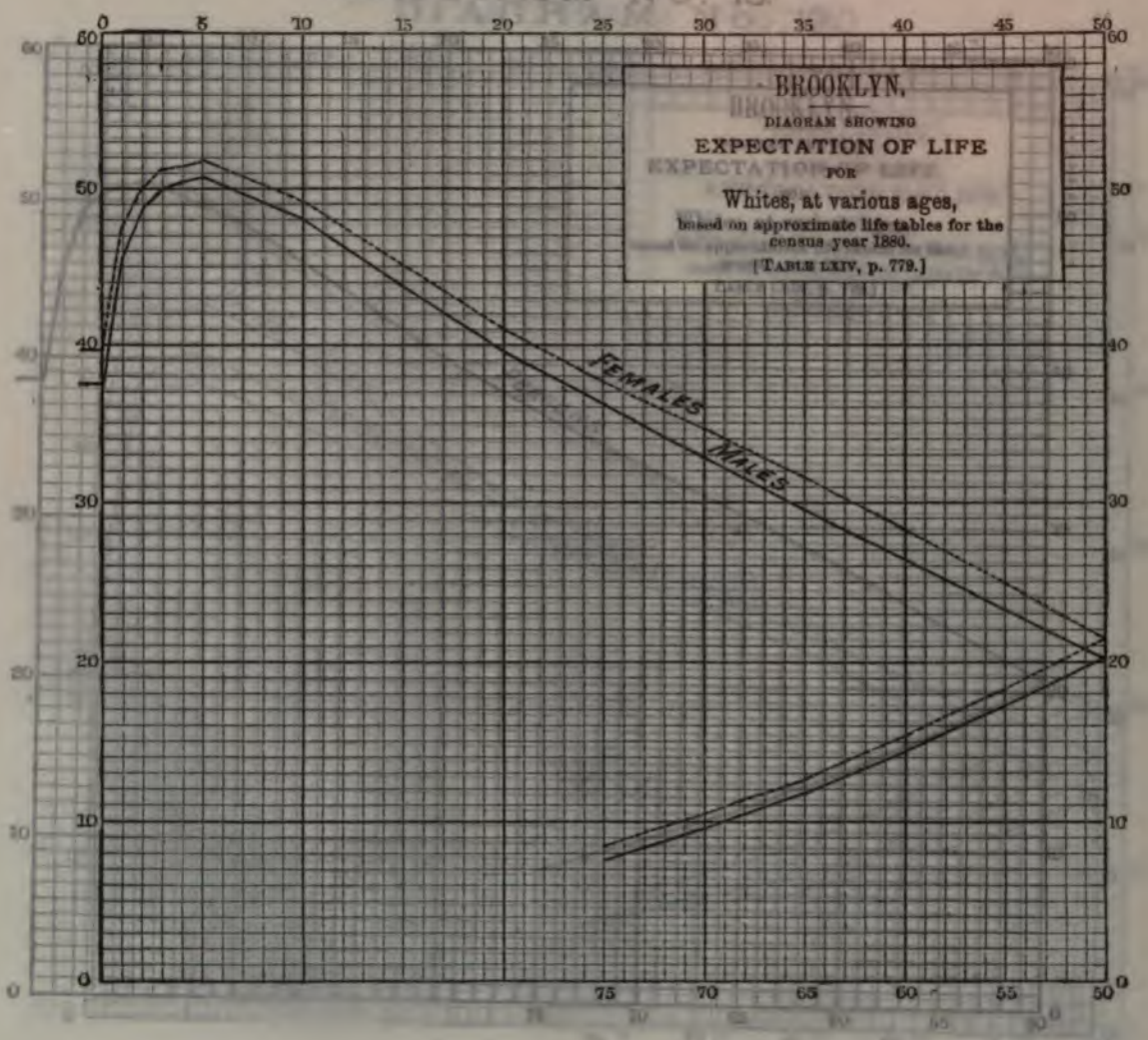


DIAGRAM No. 17.

DIAGRAM No. 18.

DIAGRAM No. 19.

DIAGRAM No. 20.

DIAGRAM No. 21.

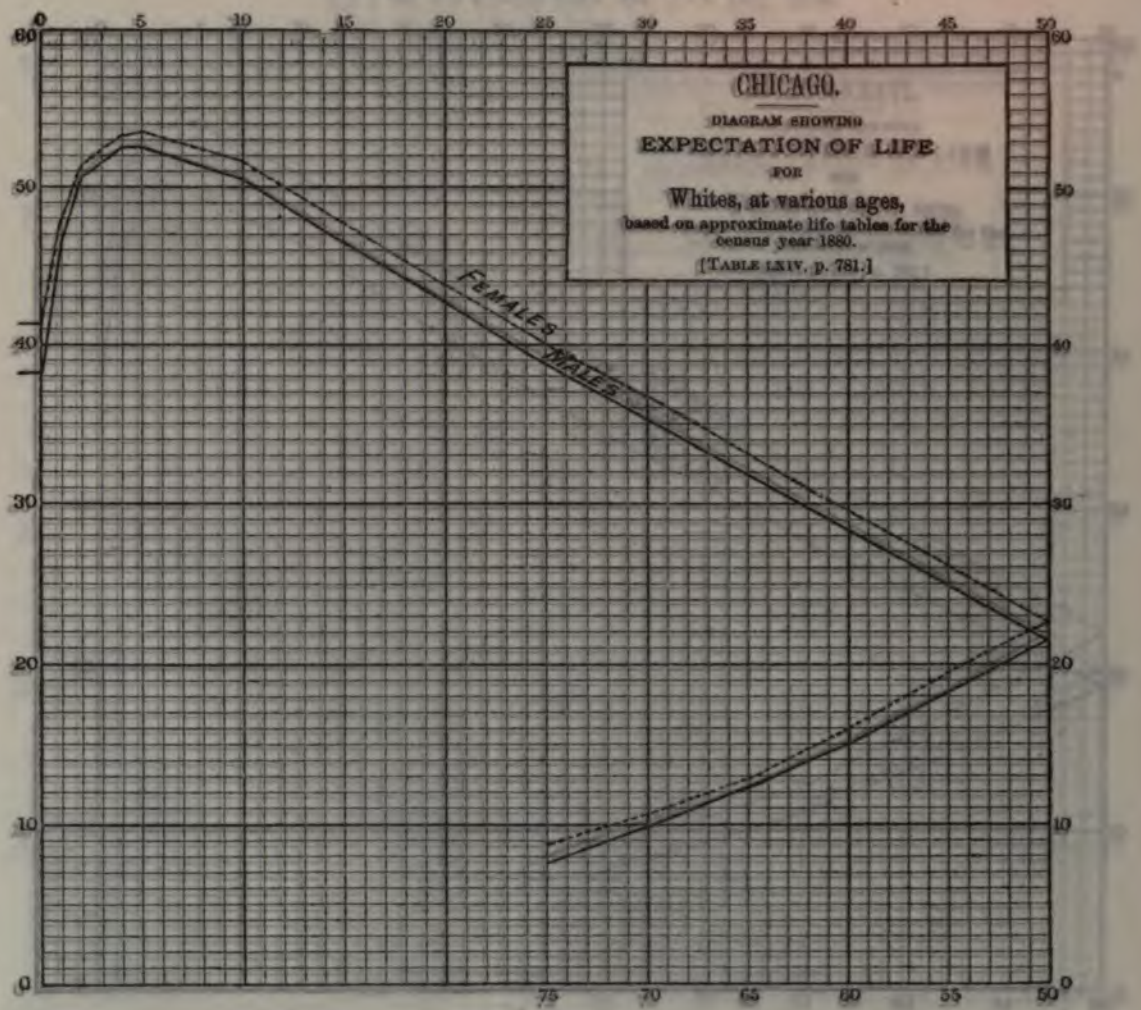


DIAGRAM No. 21.

DIAGRAM No. 22.

DIAGRAM No. 23.

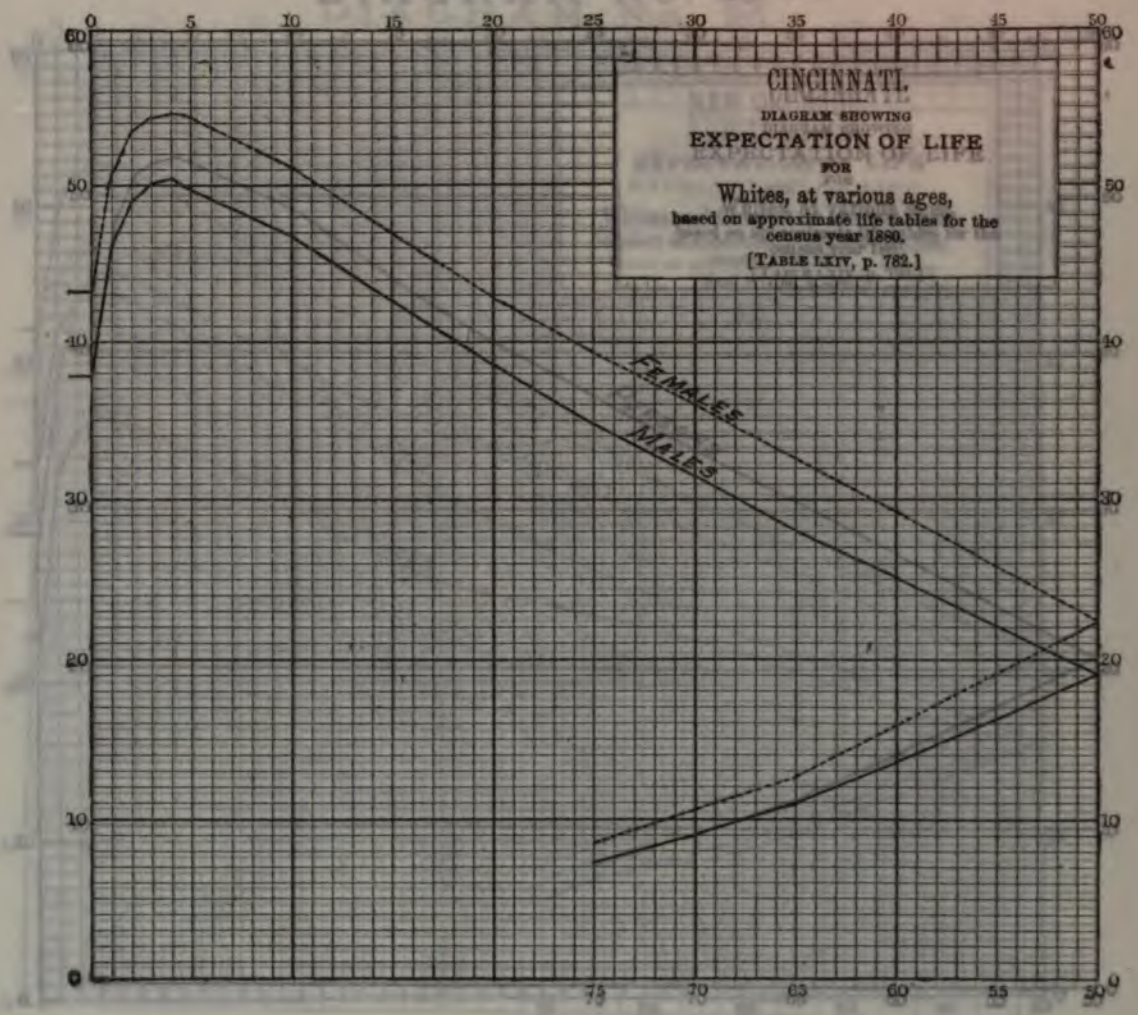


DIAGRAM No. 23.

DIAGRAM No. 24.

DIAGRAM No. 25.

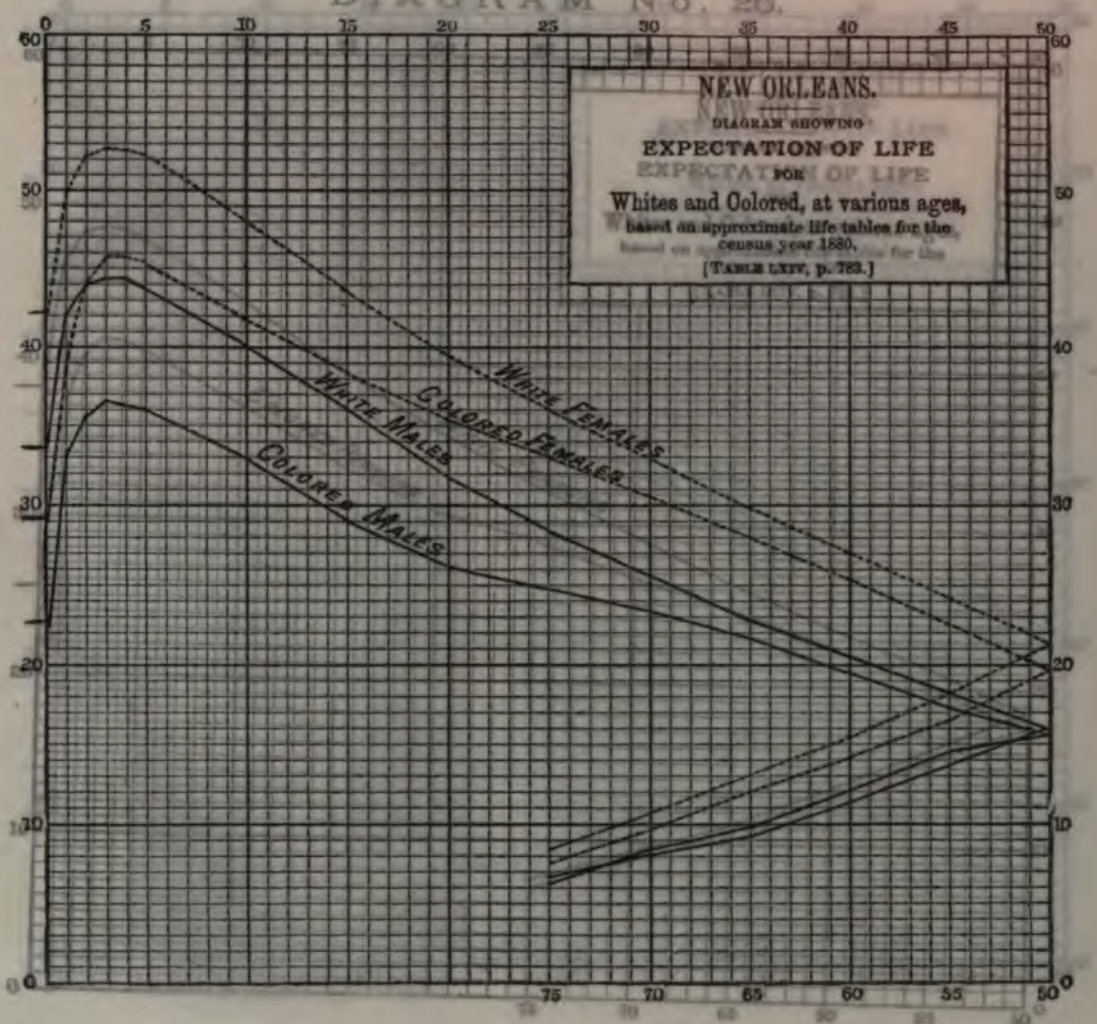

NEW ORLEANS.
DIAGRAM SHOWING
EXPECTATION OF LIFE
FOR
Whites and Colored, at various ages,
based on approximate life tables for the census year 1880.
[TABLE LXIV, p. 763.]
WHITE FEMALES.
COLORED FEMALES.
WHITE MALES.
COLORED MALES.
0 5 10 15 20 25 30 35 40 45 50
75 70 65 60 55 50
60 50 40 30 20 10 0

DIAGRAM No. 28.

DIAGRAM No. 26.

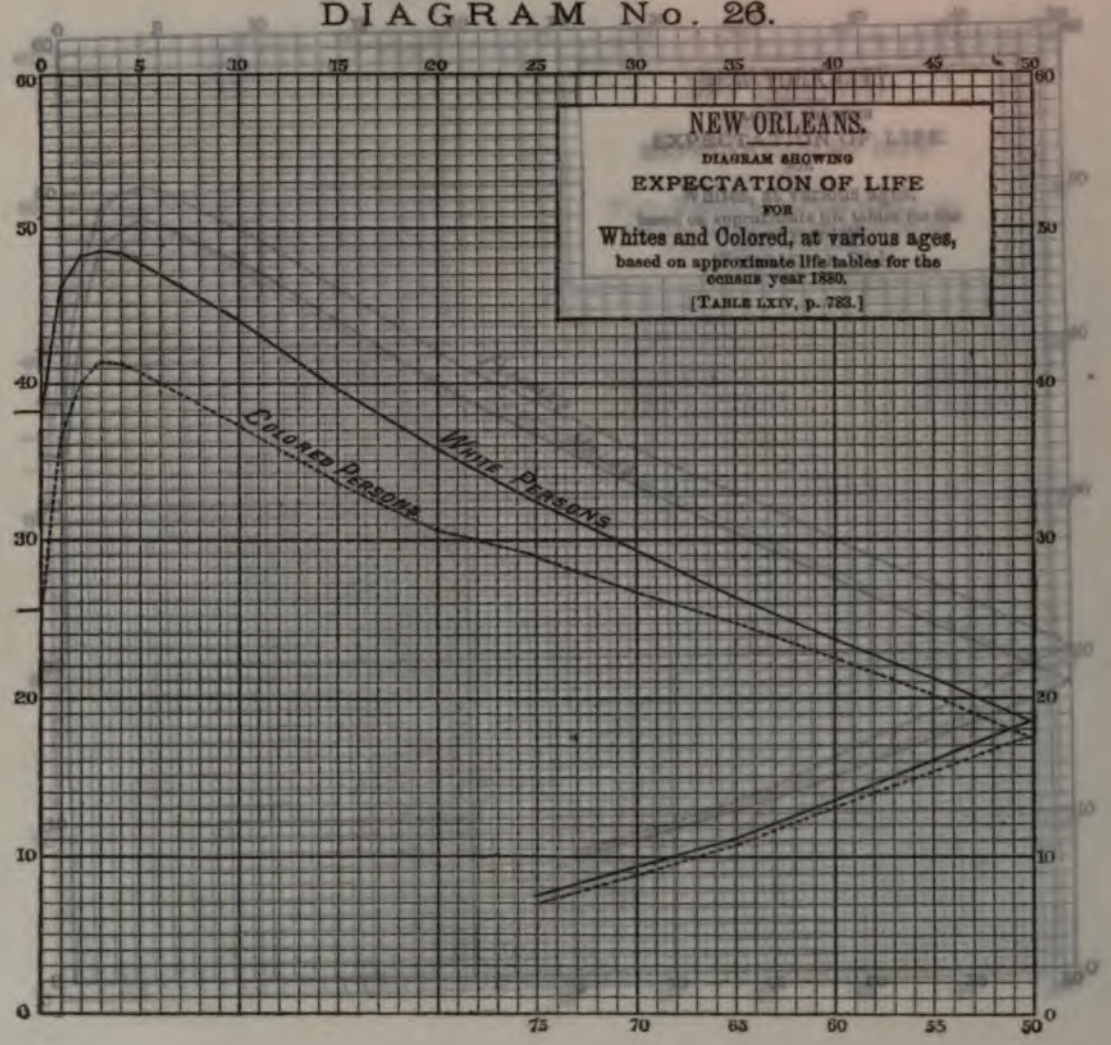


DIAGRAM No. 28.

DIAGRAM No. 27.

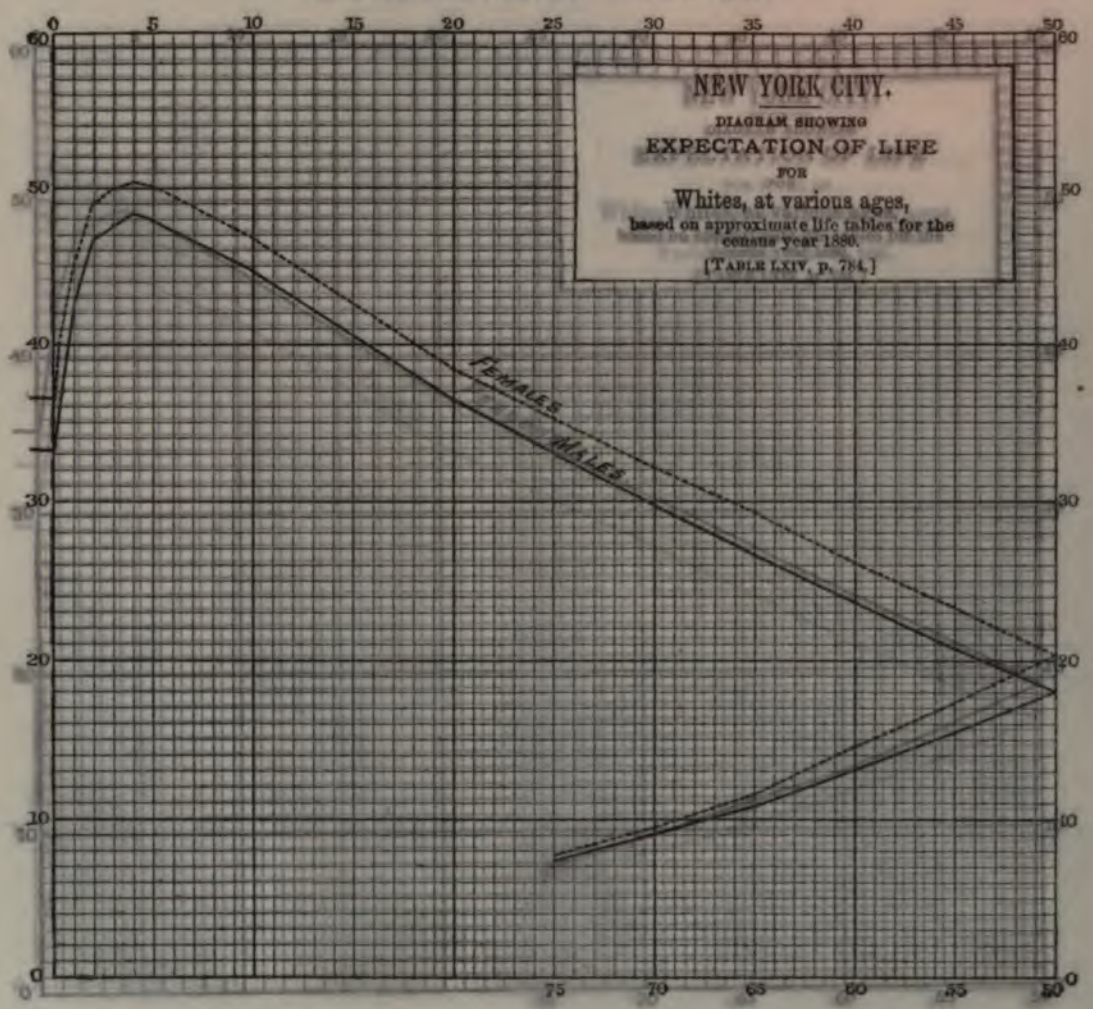


DIAGRAM No. 27.

DIAGRAM No. 28.

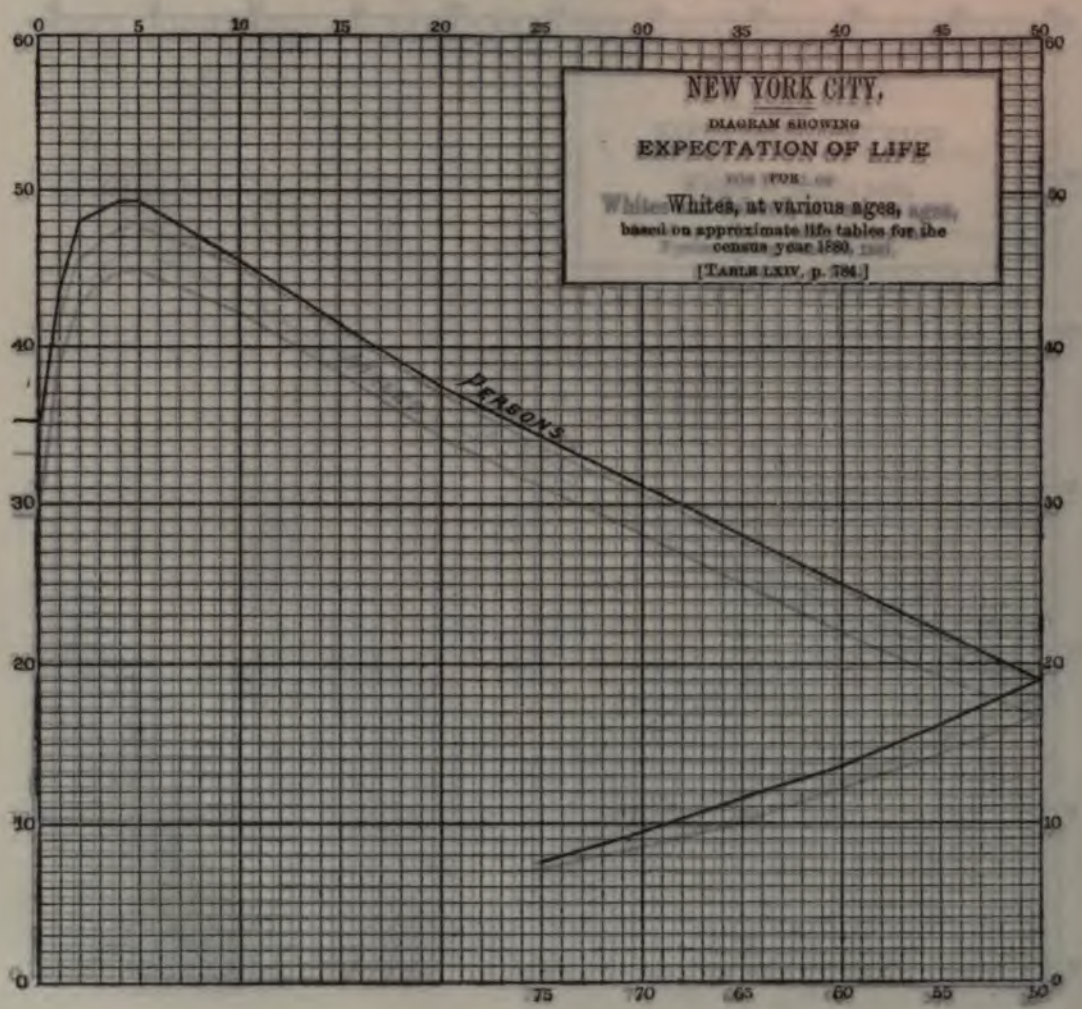


DIAGRAM No. 28.

DIAGRAM No. 29.

DIAGRAM No. 30.

DIAGRAM No. 31.

DIAGRAM No. 32.

DIAGRAM No. 33.

DIAGRAM No. 34.

DIAGRAM No. 38.

DIAGRAM No. 38.

DIAGRAM No. 37.

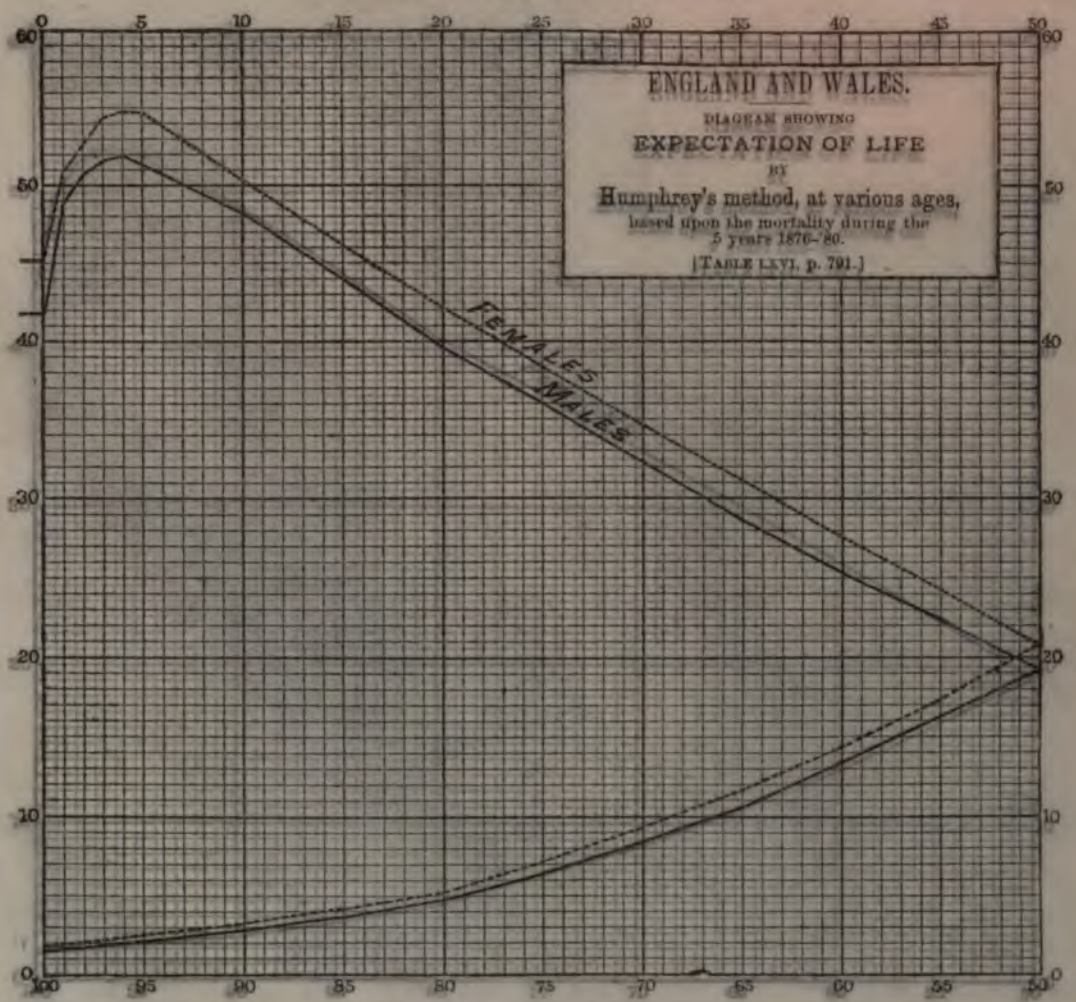
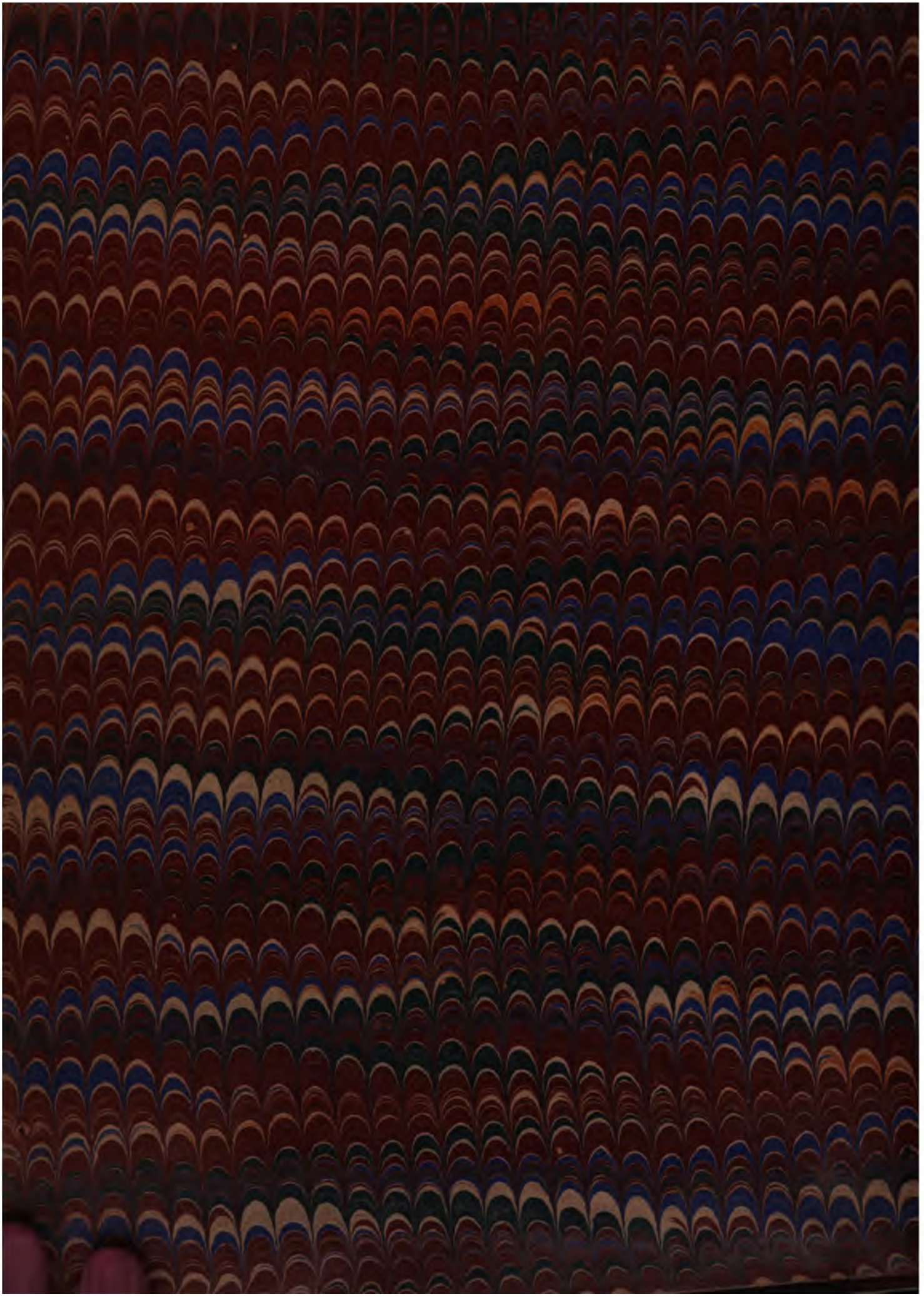
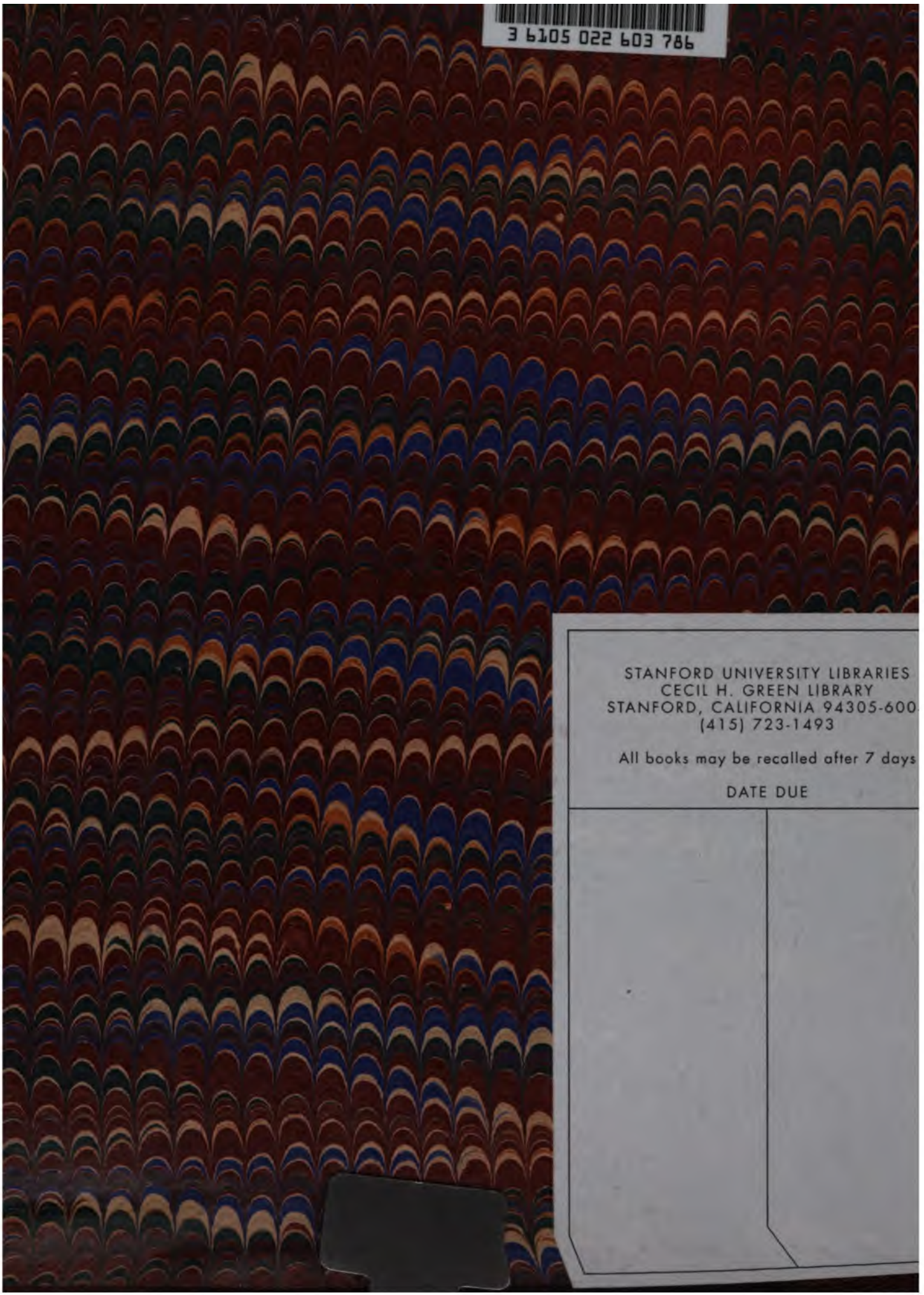

ENGLAND AND WALES.
DIAGRAM SHOWING
EXPECTATION OF LIFE
BY
Humphrey's method, at various ages,
based upon the mortality during the
5 years 1876-'80.
[TABLE LXVI, p. 791.]
FEMALES.
MALES.
0 5 10 15 20 25 30 35 40 45 50
60 50 40 30 20 10 0
100 95 90 85 80 75 70 65 60 55 50

DIAGRAM No. 33.

NON-CIRCULATING




3 6105 022 603 786

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